



Presentation to the National Capital Planning Commission  
White House Complex Fence Phase 1 | February 2, 2016

**M+S<sup>a</sup>**  
Mills + Schnoering Architects, LLC  
Architecture + Historic Preservation



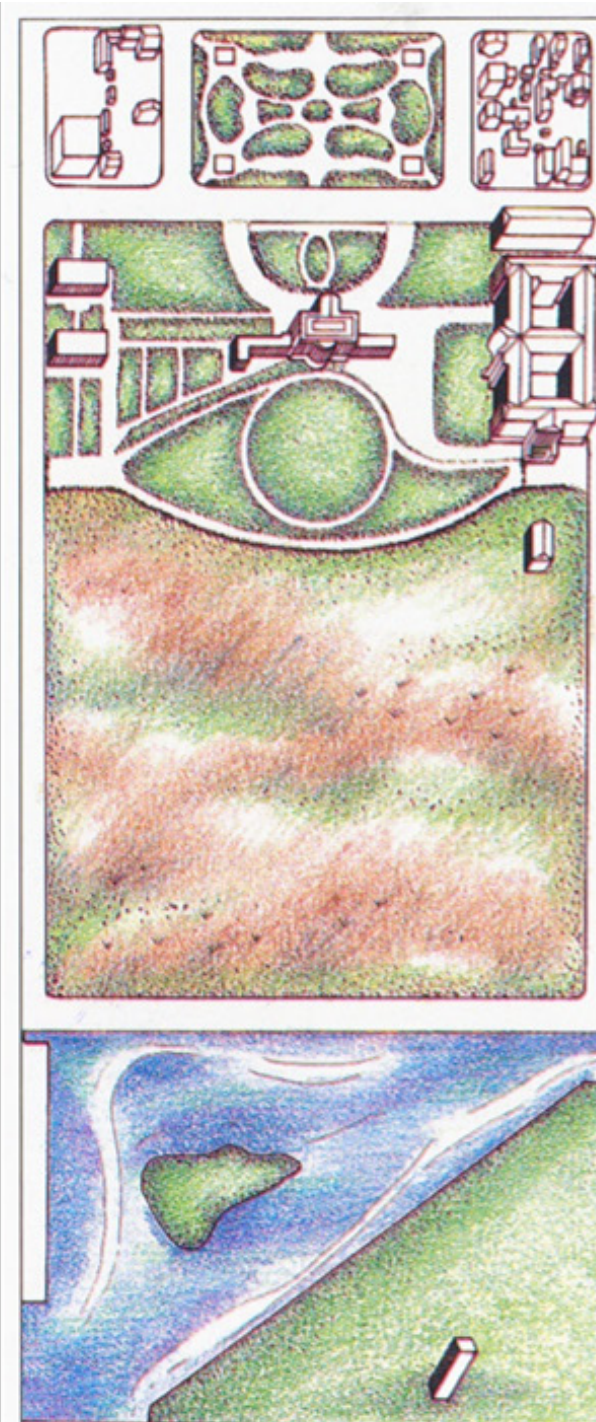
- Express the freedom and strength of our government and the Executive Branch
- Create a more open structure to enhance the visitor experience and afford clear views
- Make taller and stronger to achieve security requirements
- A new, traditional neoclassical composition; not a larger scaled version of what exists
- An appropriate foreground element for the classical architecture of the White House.



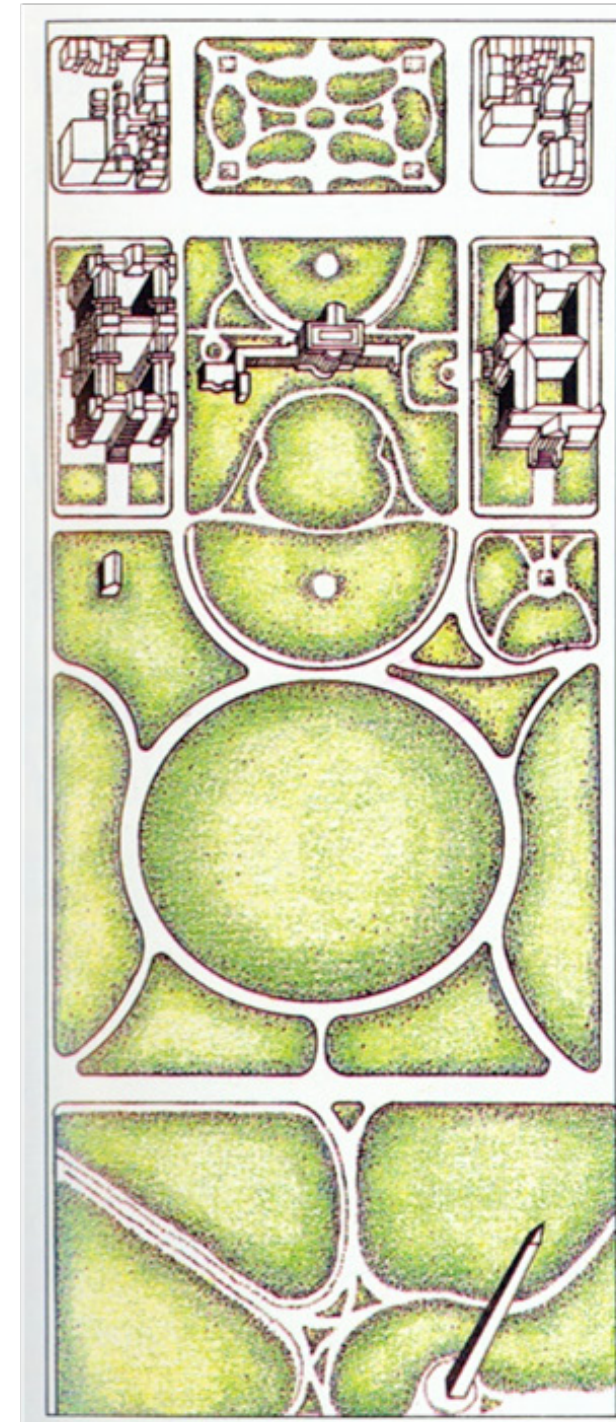




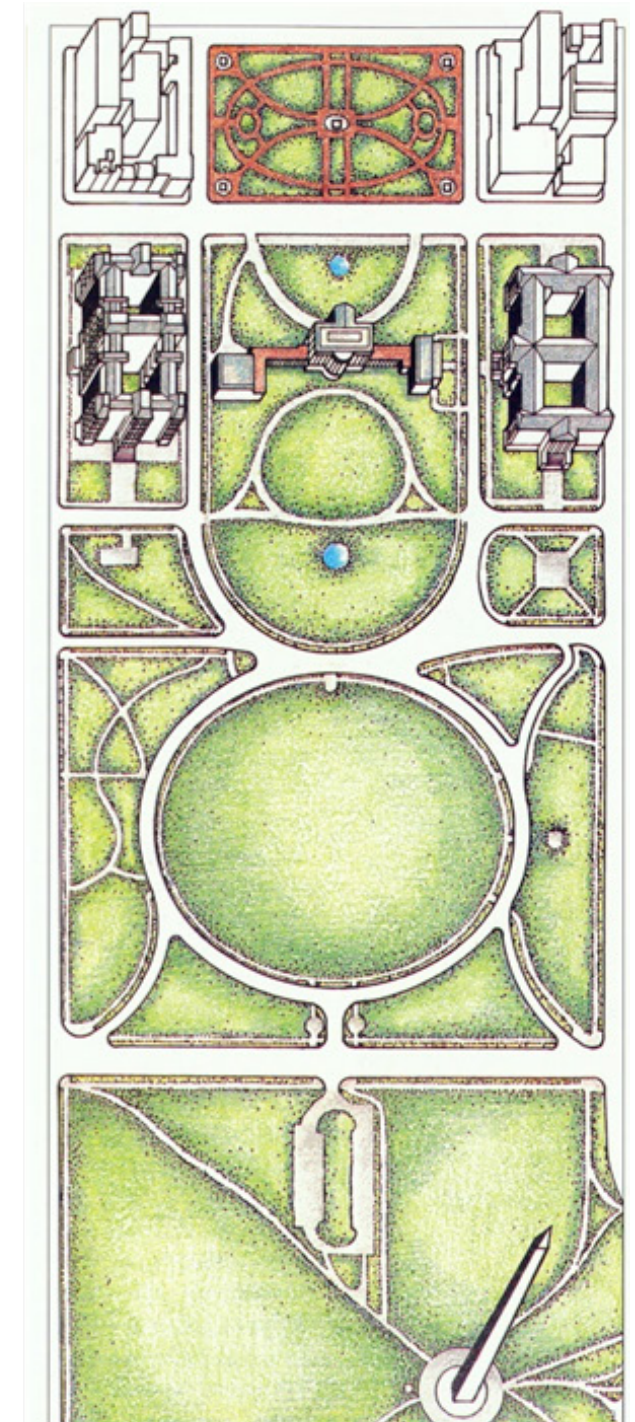
1800



1860



1900



1990

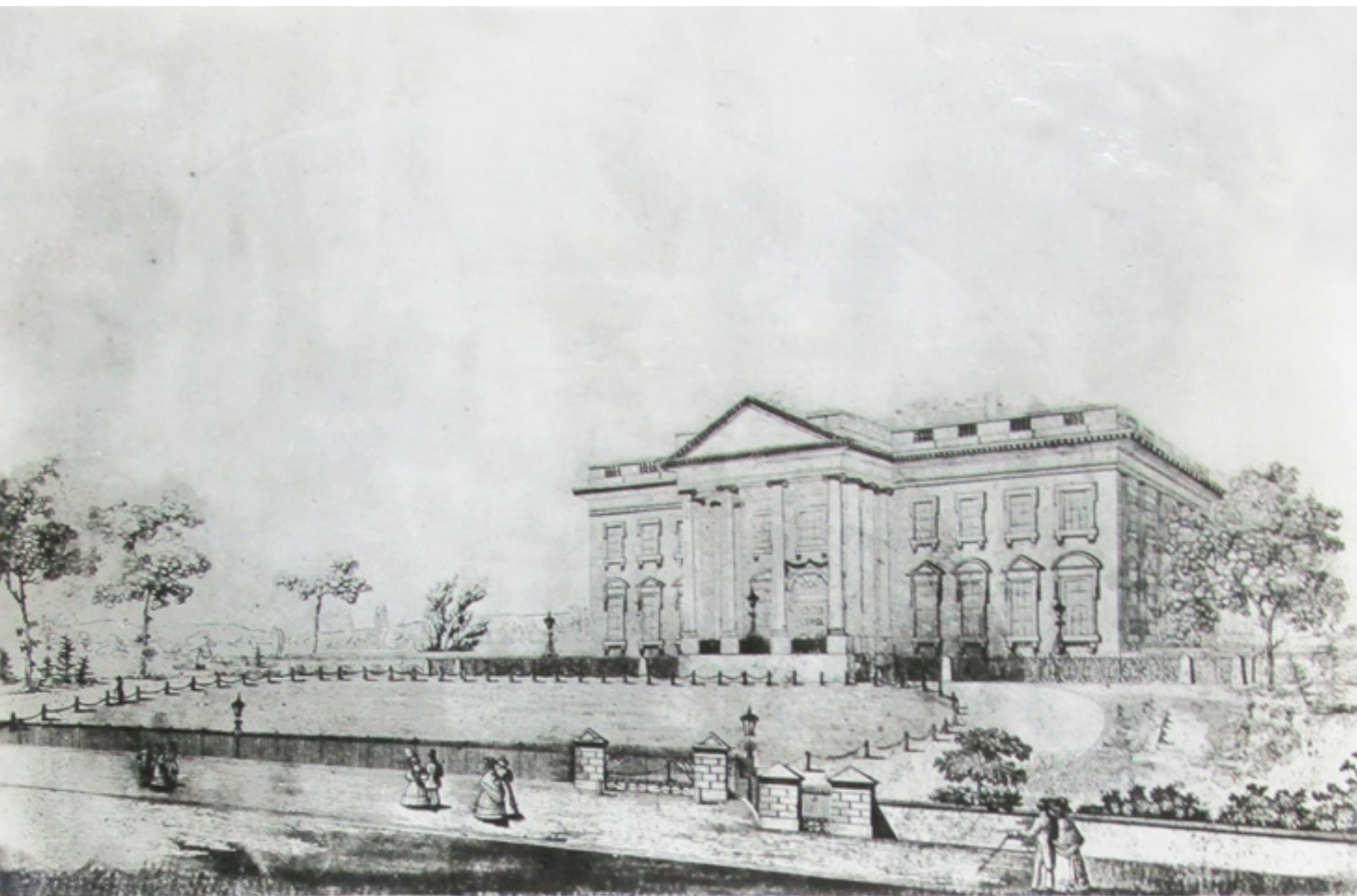
From William Seale, *The White House Garden*, 1996



White House Complex Fence Phase 1  
April 21, 2016

Historical Development, 1800- 1990





Sketch, 1833

- Stone wall with iron fence & gates

Library of Congress



Photo, ca. 1861

- Jefferson's wall at south

National Archives



White House Complex Fence Phase 1  
April 21, 2016

White House Wall & Fence  
1818- 1870





Belgian Parliament (Palais de la Nation) | Brussels  
*(Est. 24" base, 11' fence)*



Nassau Hall | Princeton, NJ  
*(36" base, 10' fence, 1" square iron pickets, 4" clear space)*



White House Complex Fence Phase  
 December 15, 2016

# Fence Examples





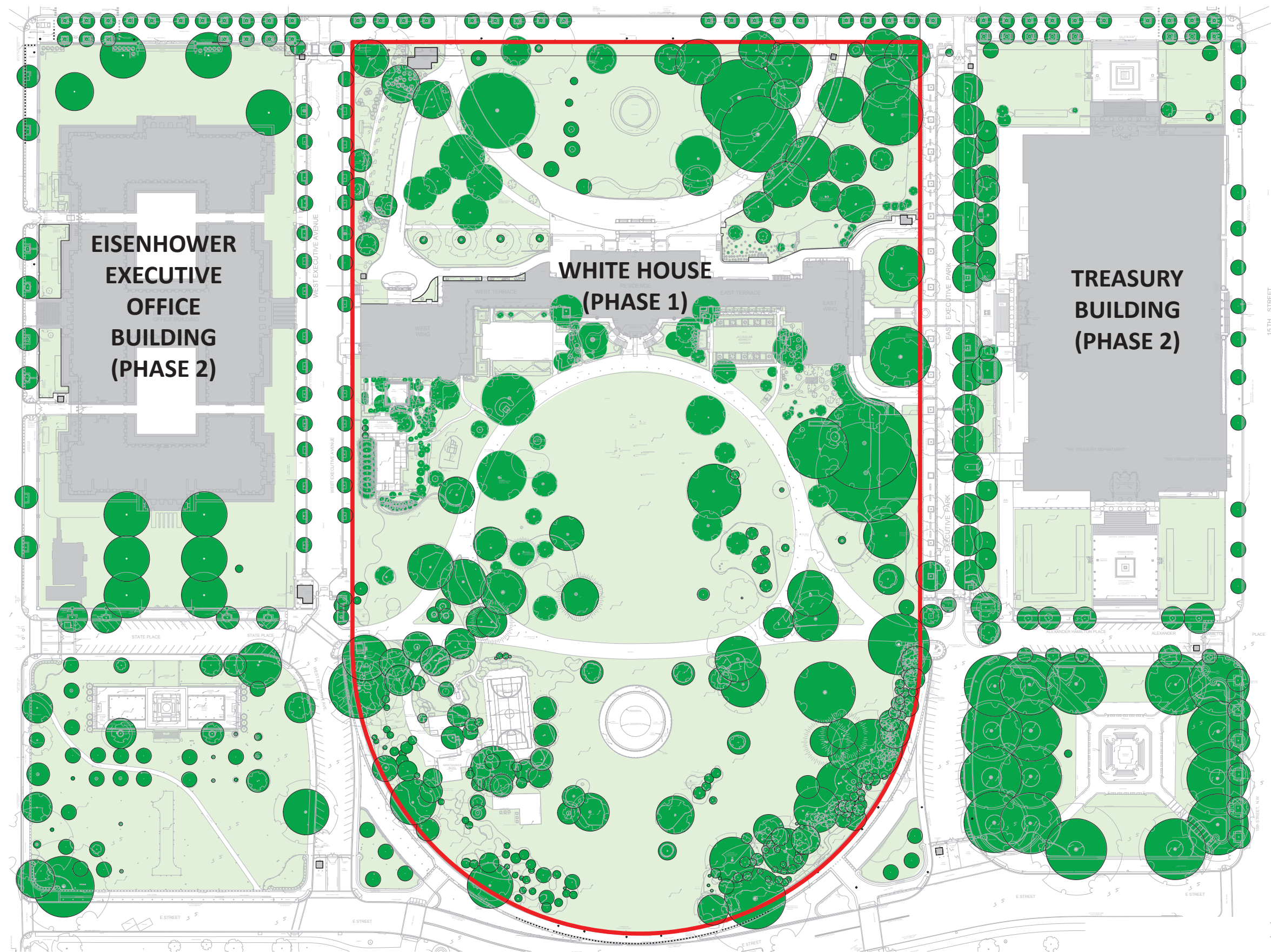
Virginia State Capital | Richmond, VA  
*(7' fence, 1 1/2" diam. pickets, 4 1/2" clear space)*



Grove Street Cemetery | New Haven, CT  
*(7' fence, 1 1/2" square iron pickets, 4 1/2" clear space)*



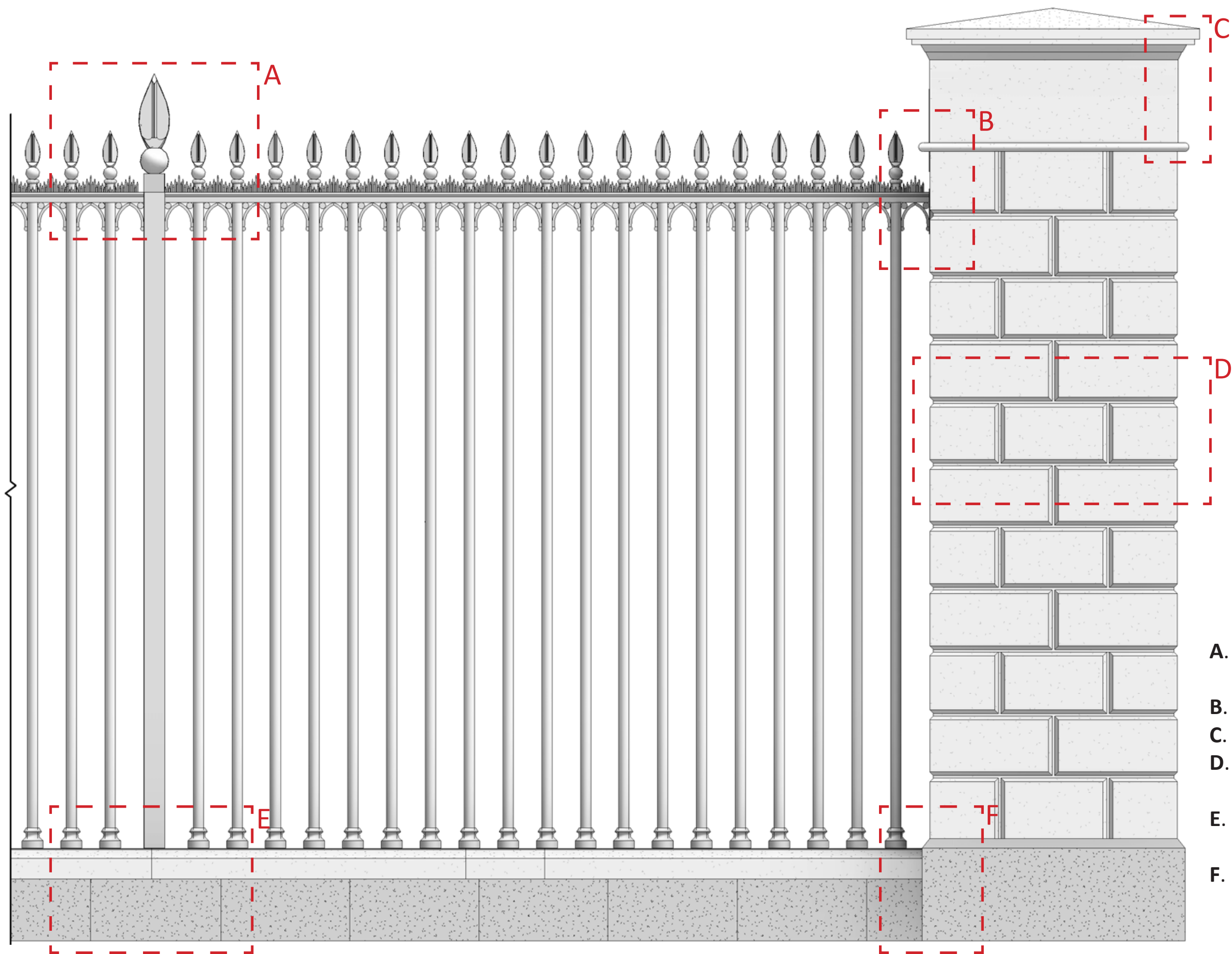




White House Complex Fence Phase 1  
February 2, 2016

Project Area





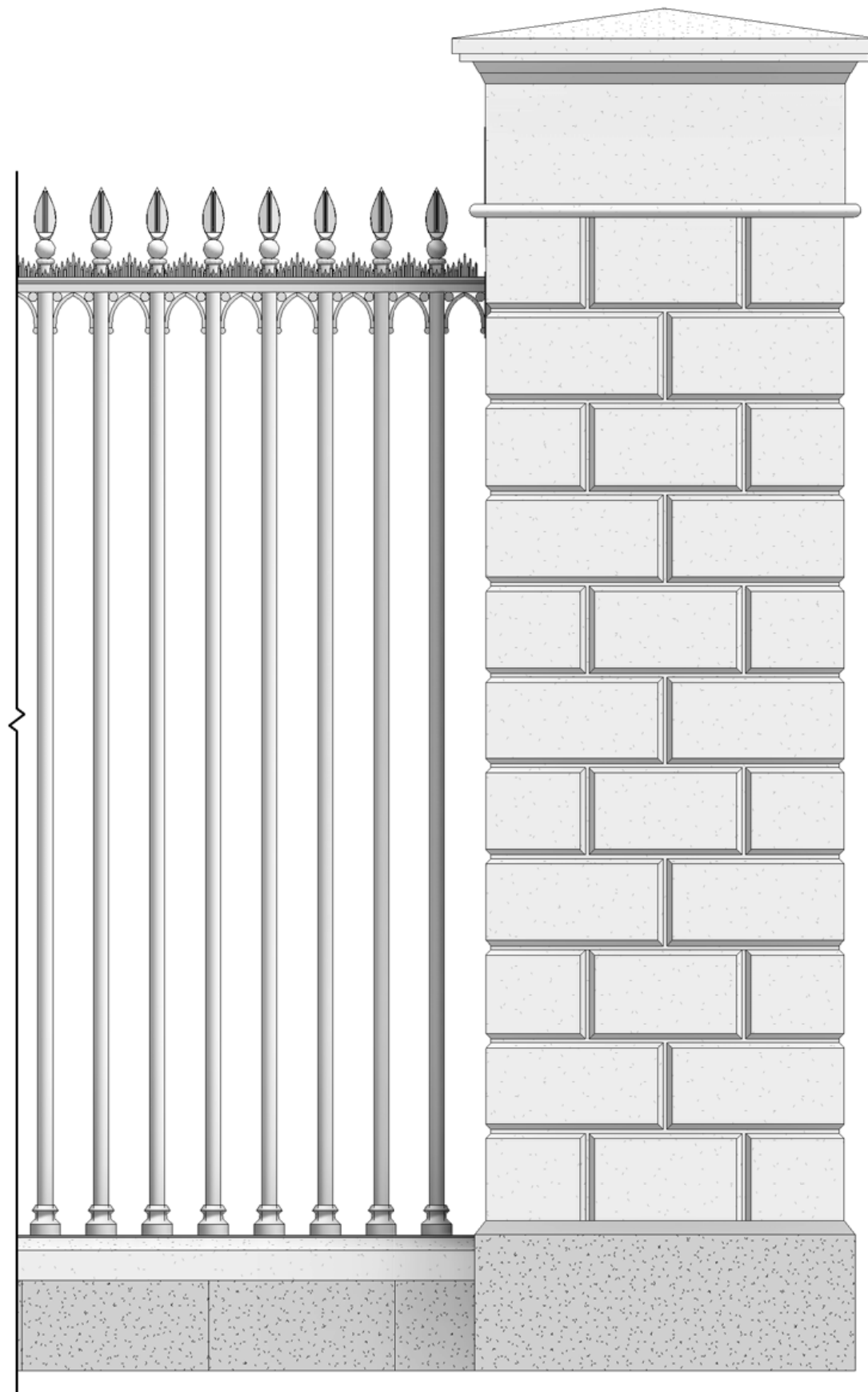
- A. Post design & picket tops
- B. Fence to pier detail
- C. Pier height
- D. Pier joint detail, pier girth
- E. Picket base, post base
- F. Wall to pier & picket to base detail.



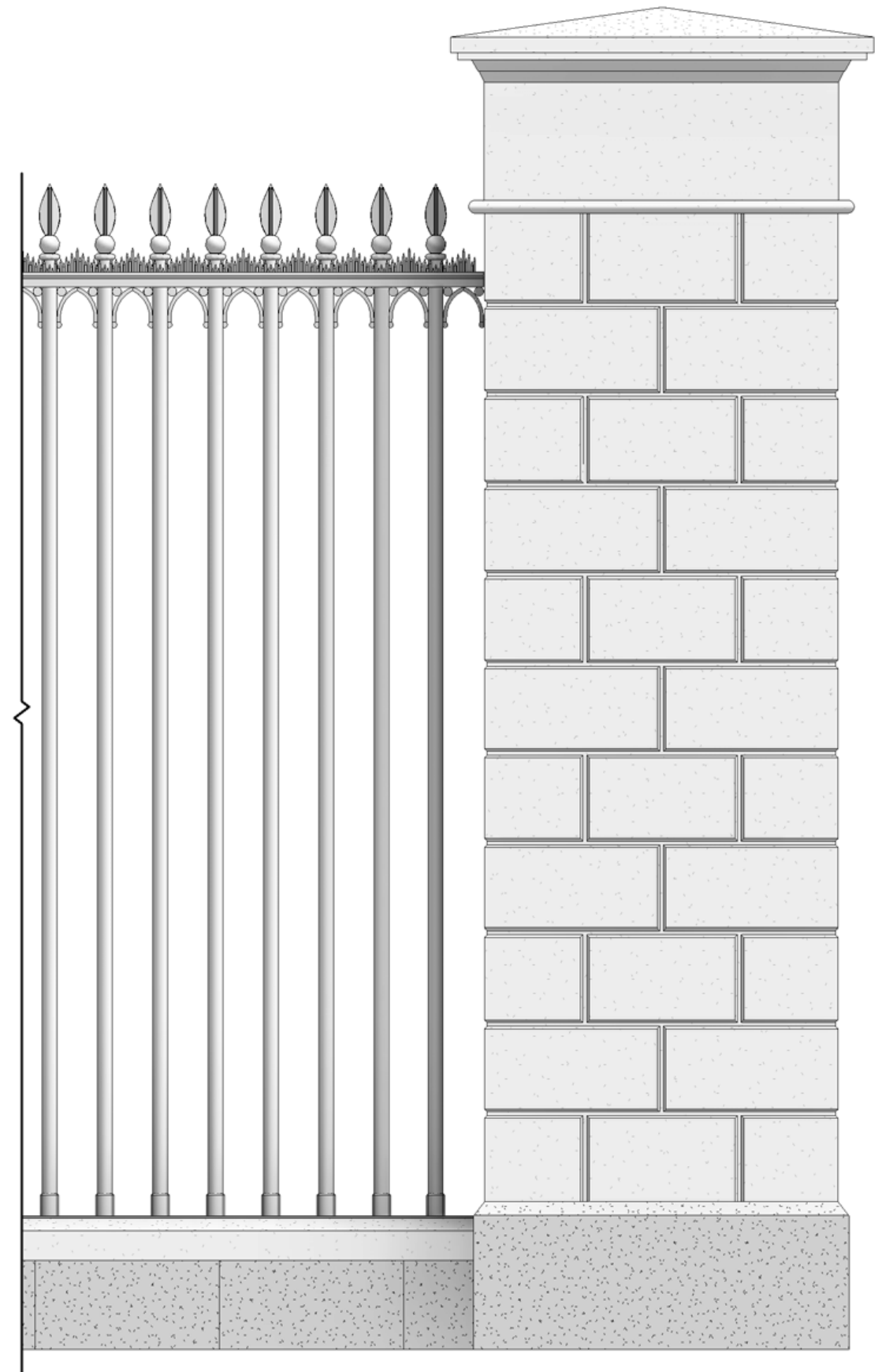
White House Complex Fence Phase 1  
February 2, 2016

## Fence Study Overview





*Previously Proposed*



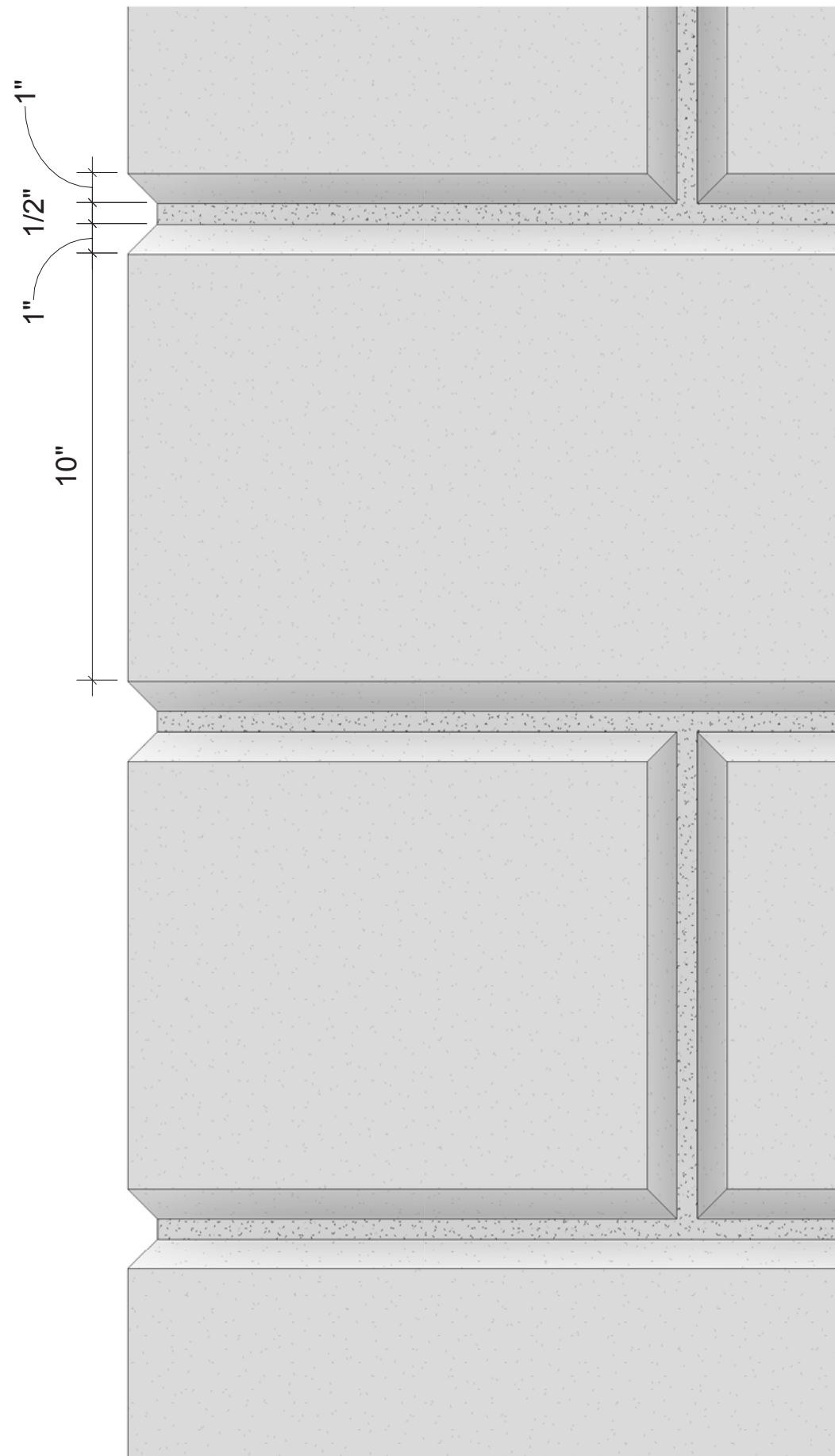
*Current Proposal*



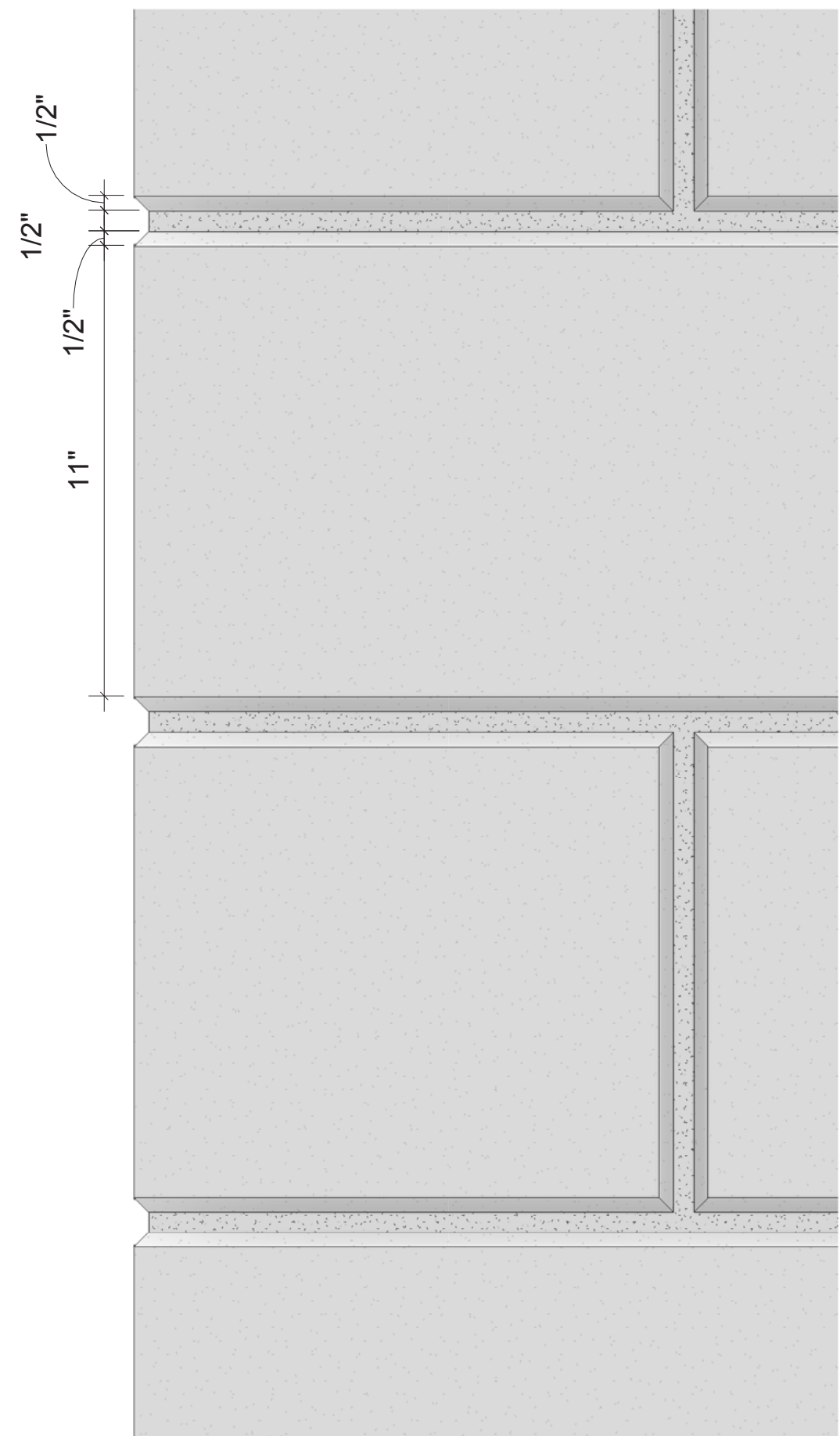
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February 2, 2016

## Pier Joint Studies





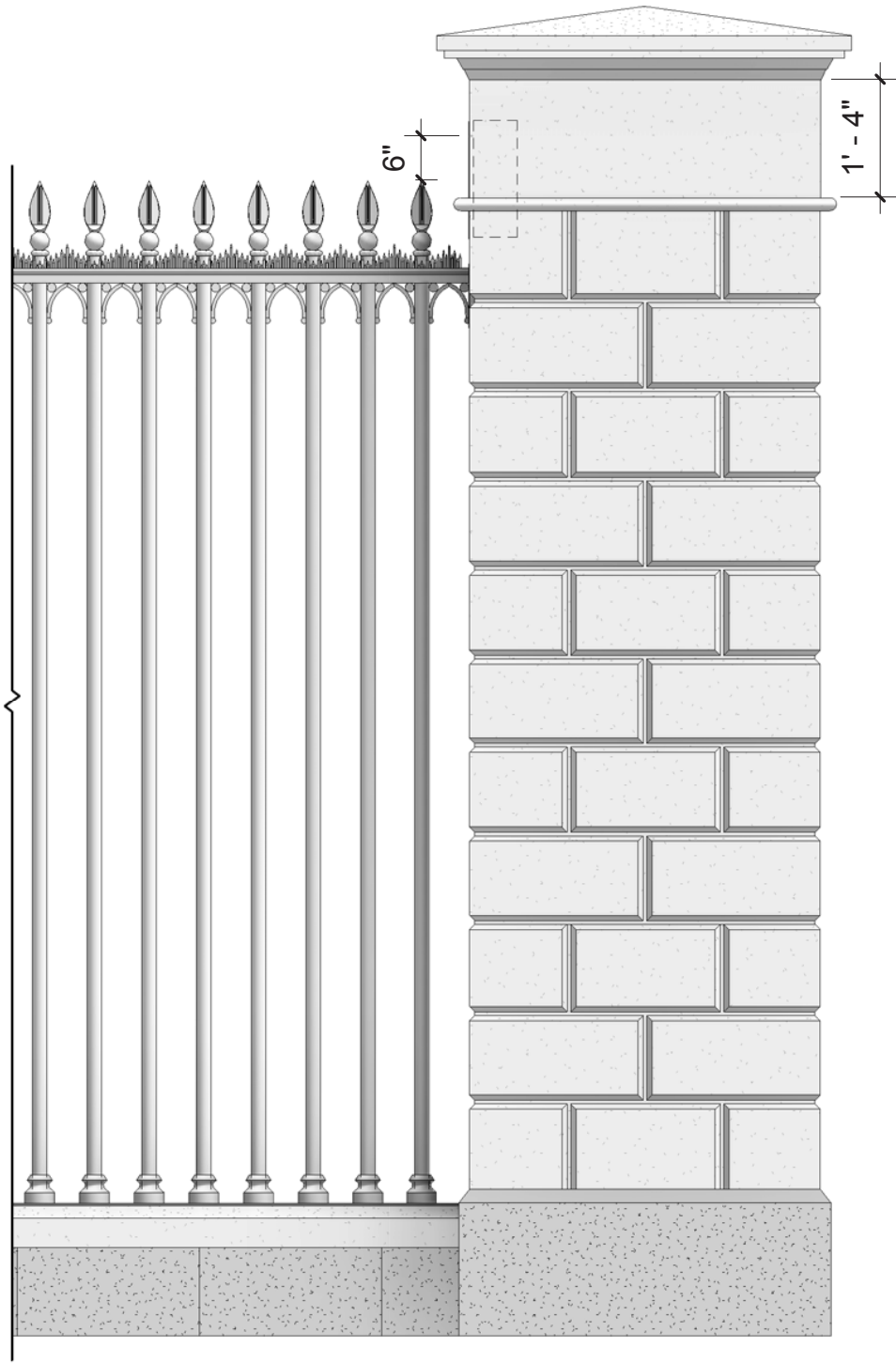
*Previously Proposed*



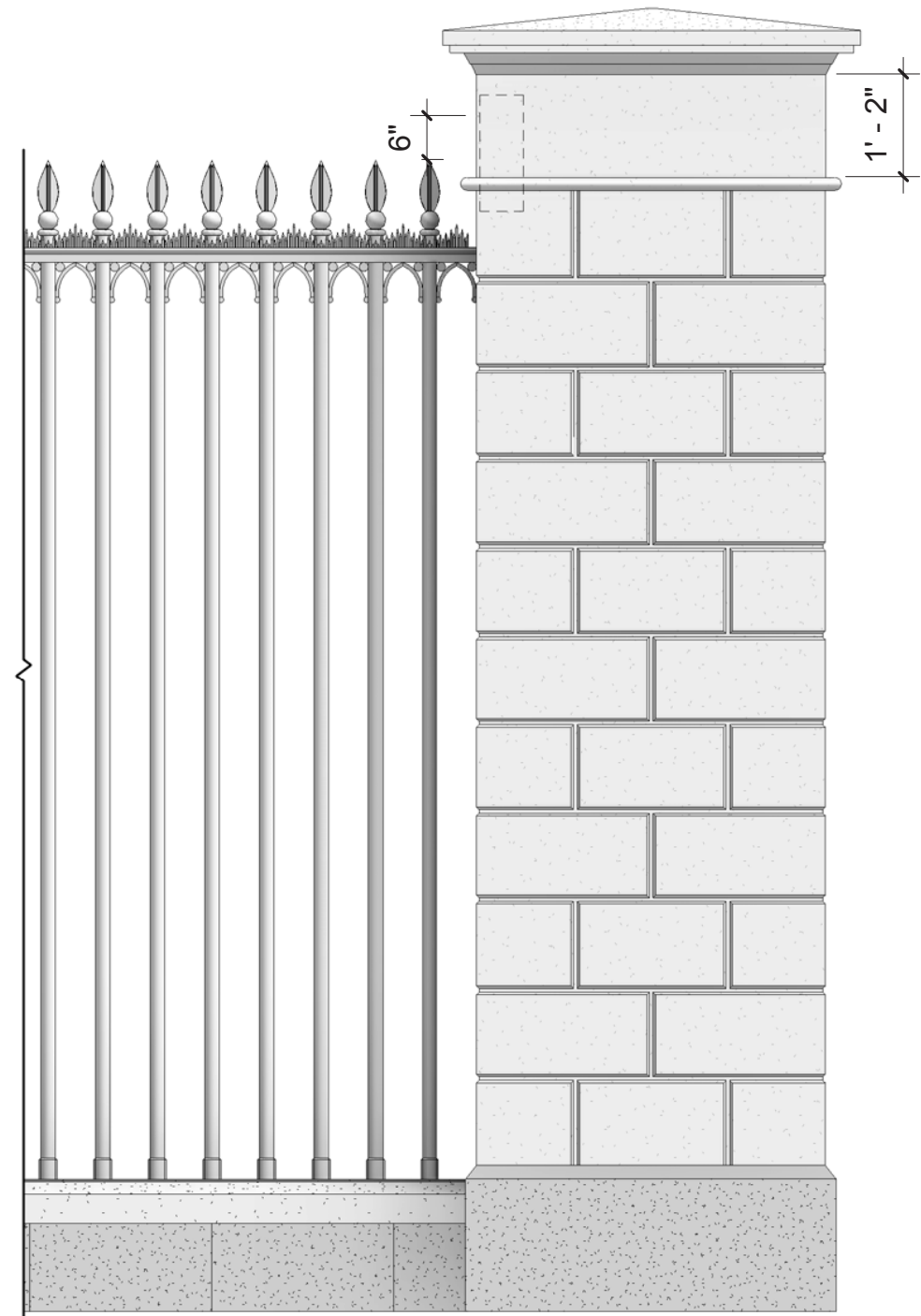
*Current Proposal*



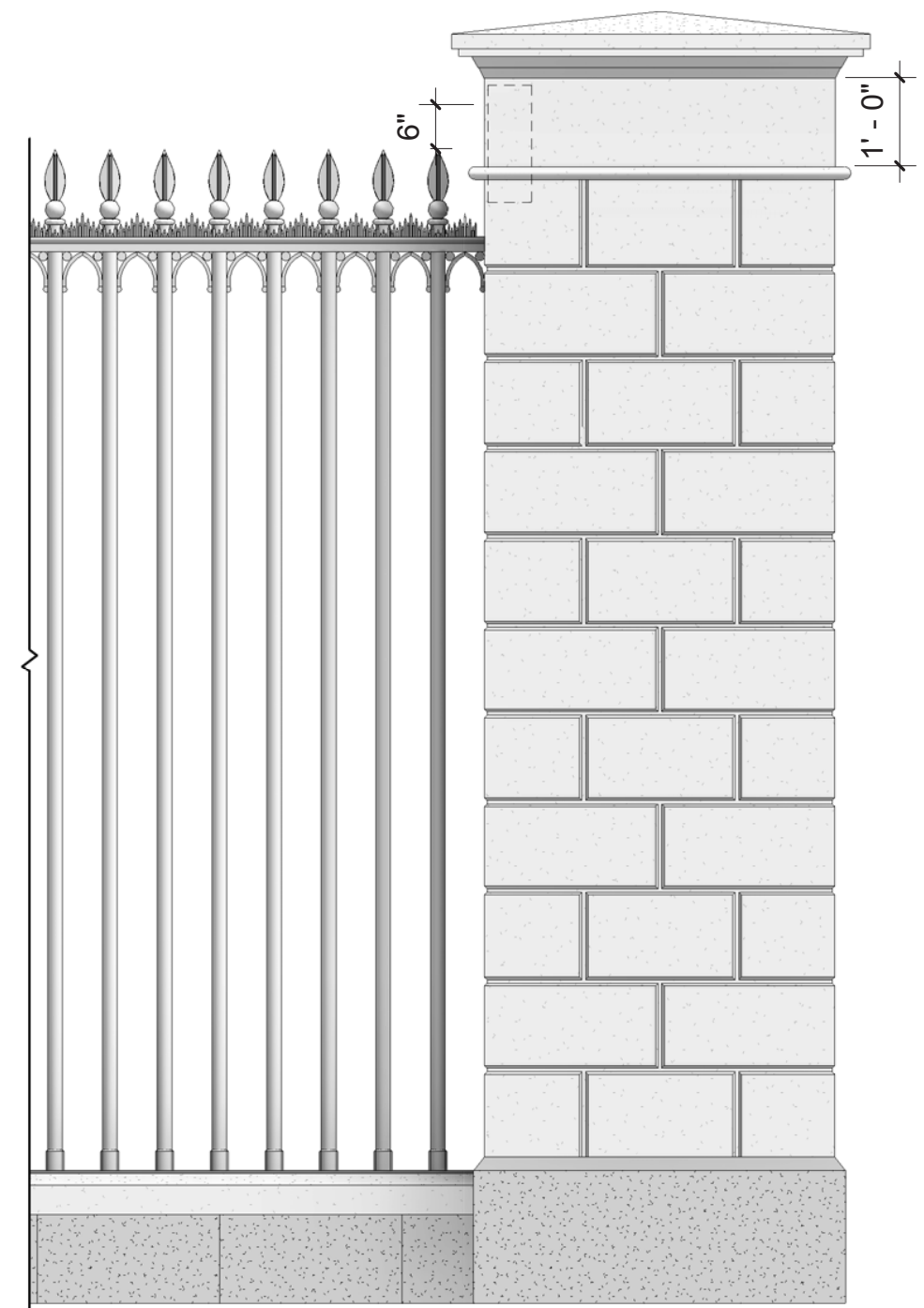




*Previously Proposed*



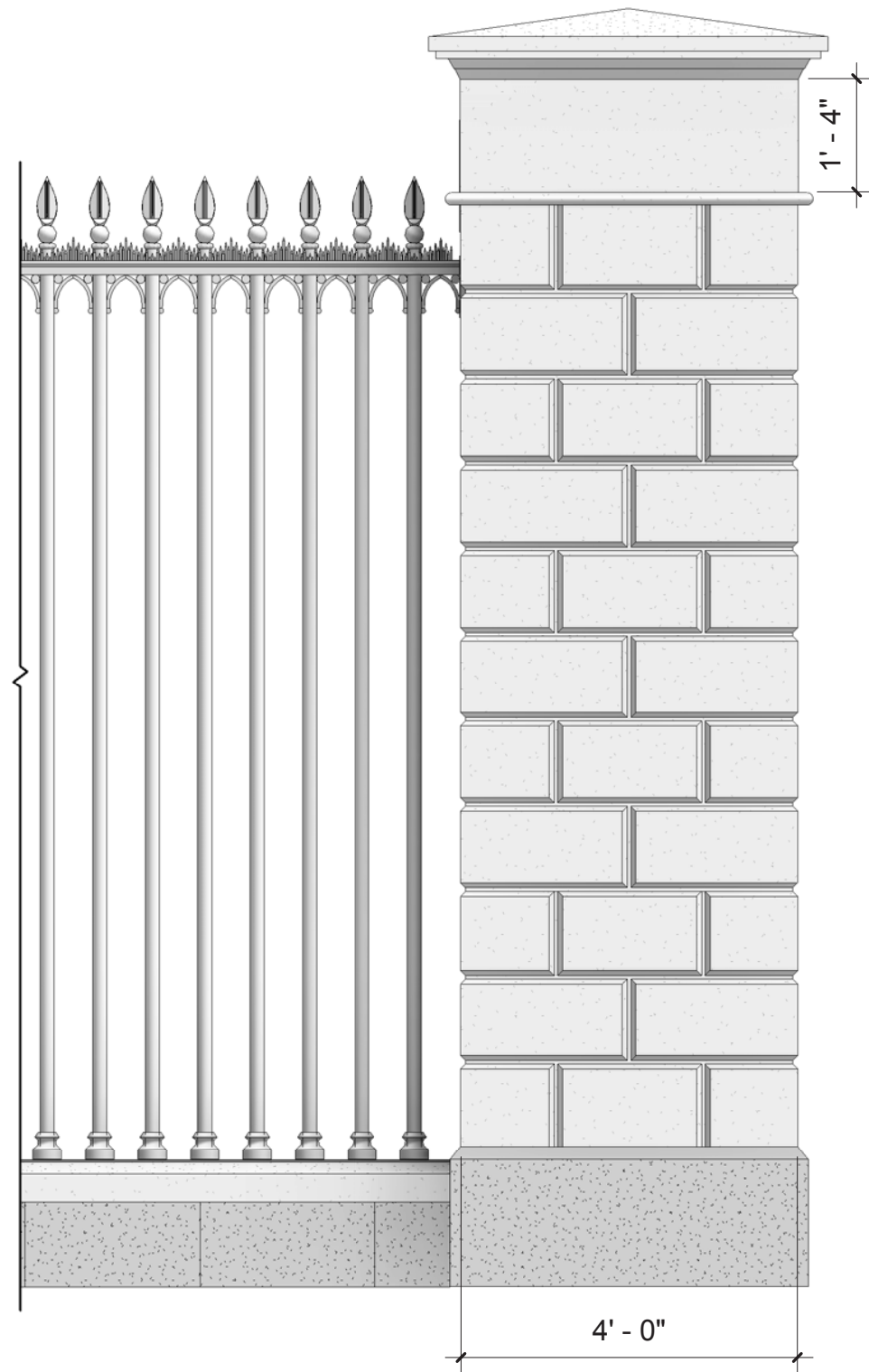
*Proposal/Study 1*



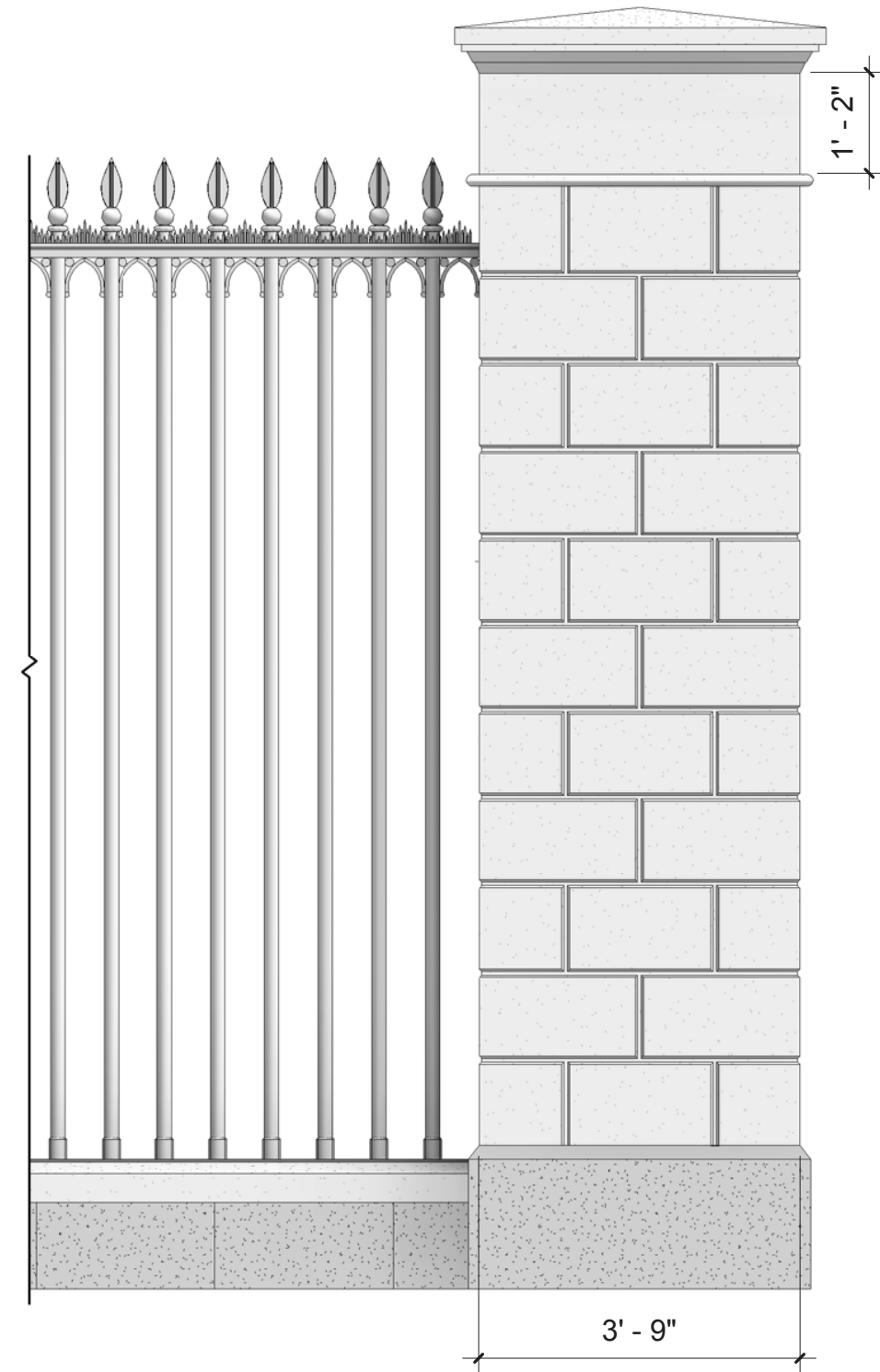
*Proposal/Study 2*







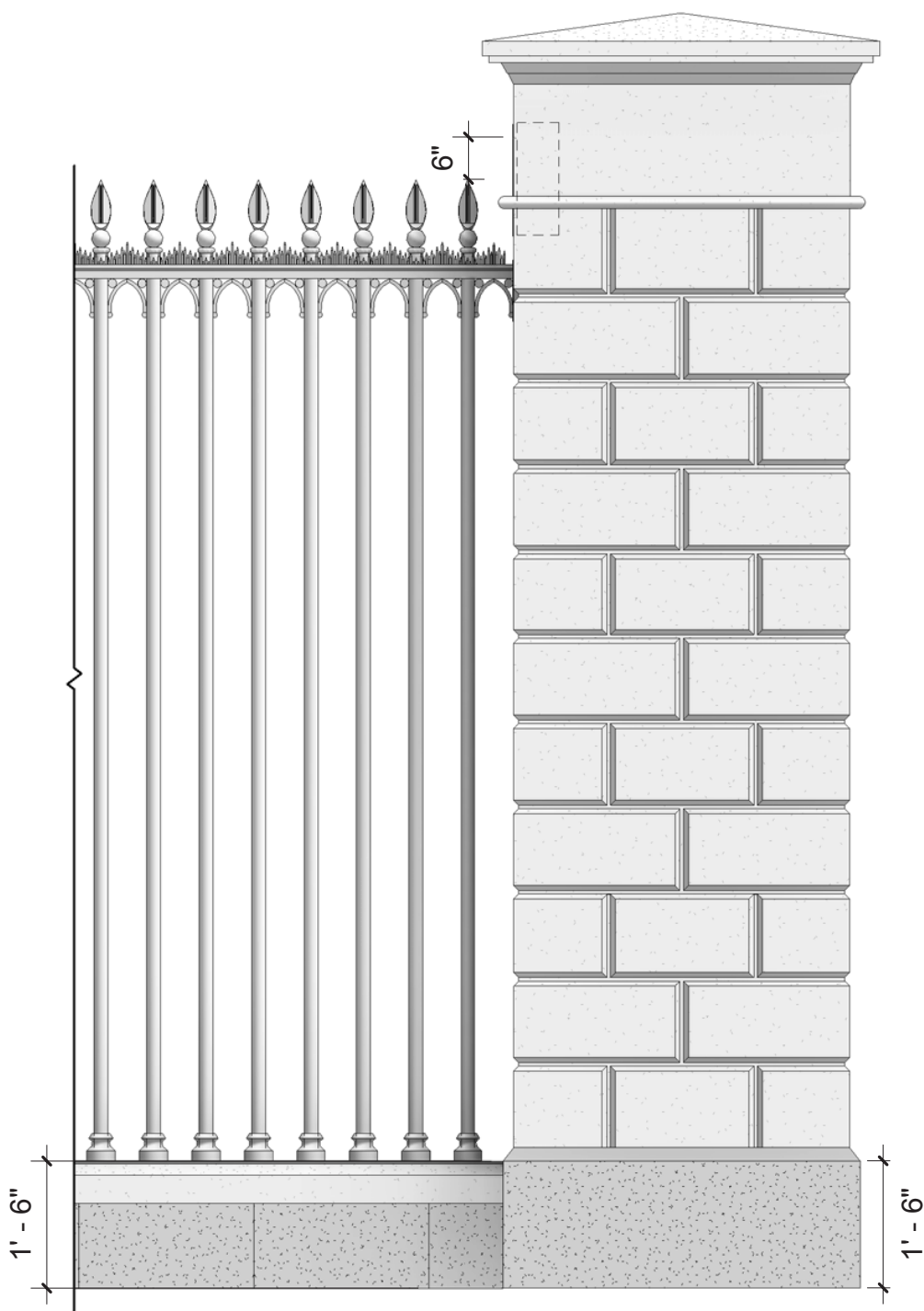
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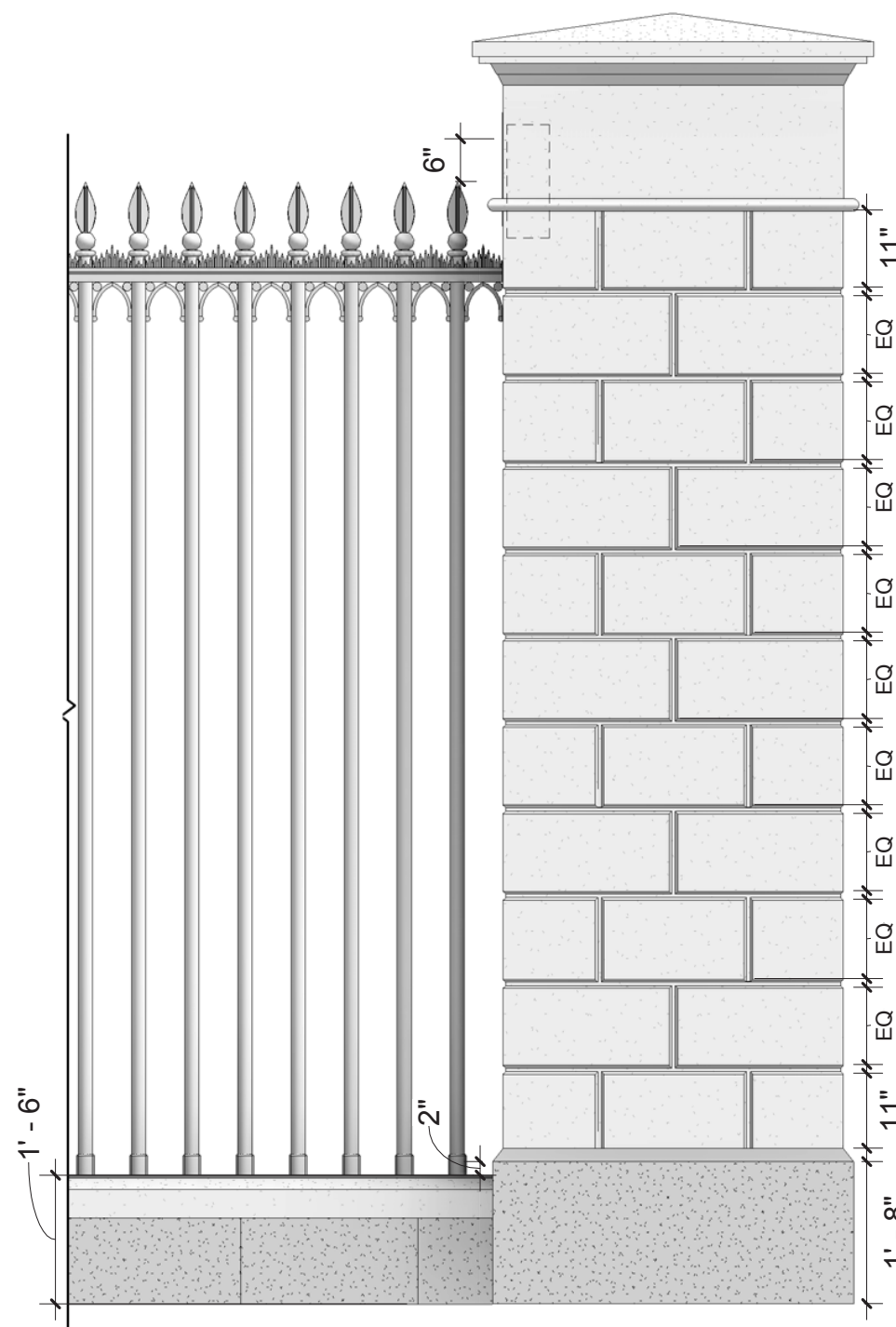
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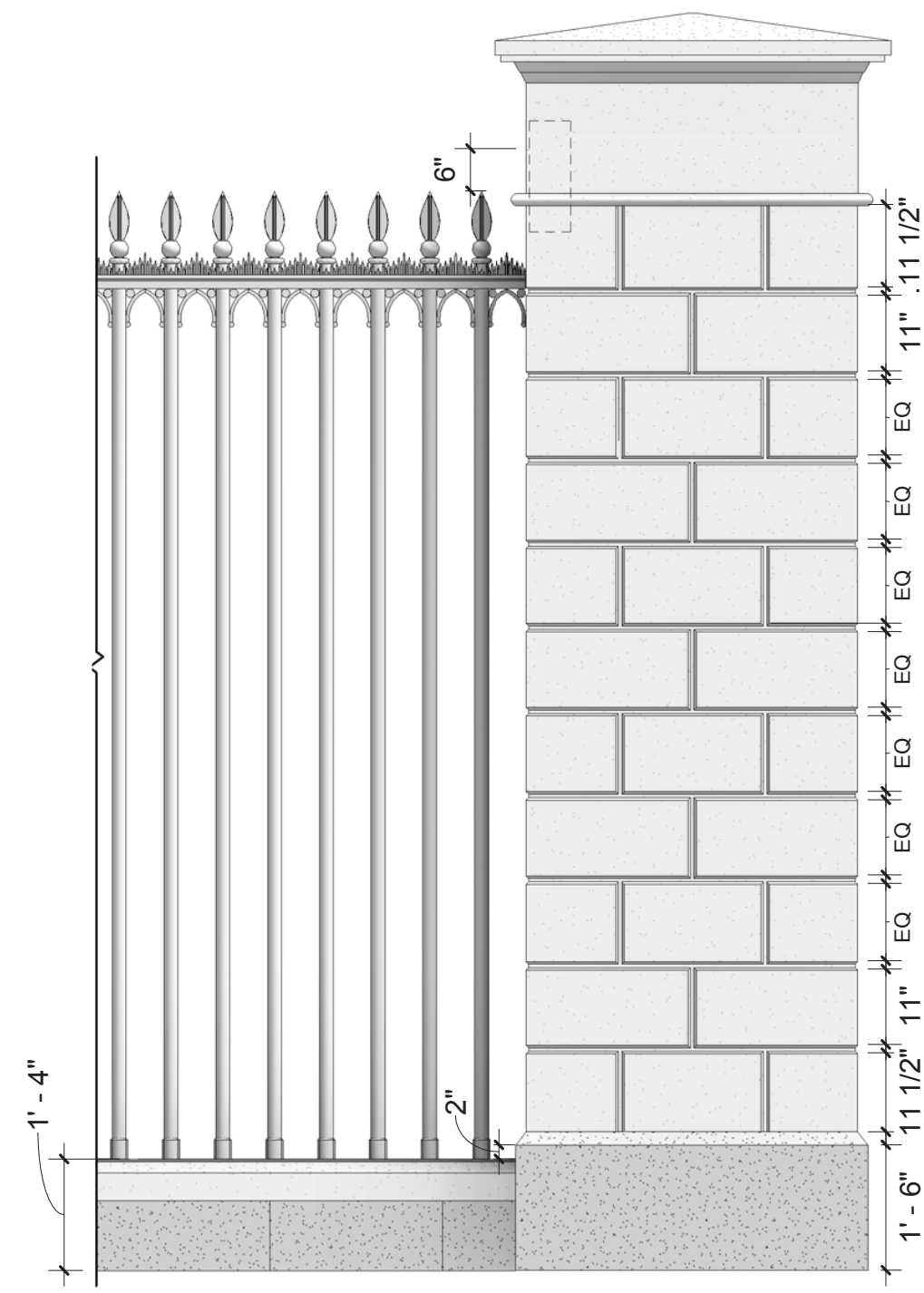




*Previously Proposed*



*Proposal/Study 1*



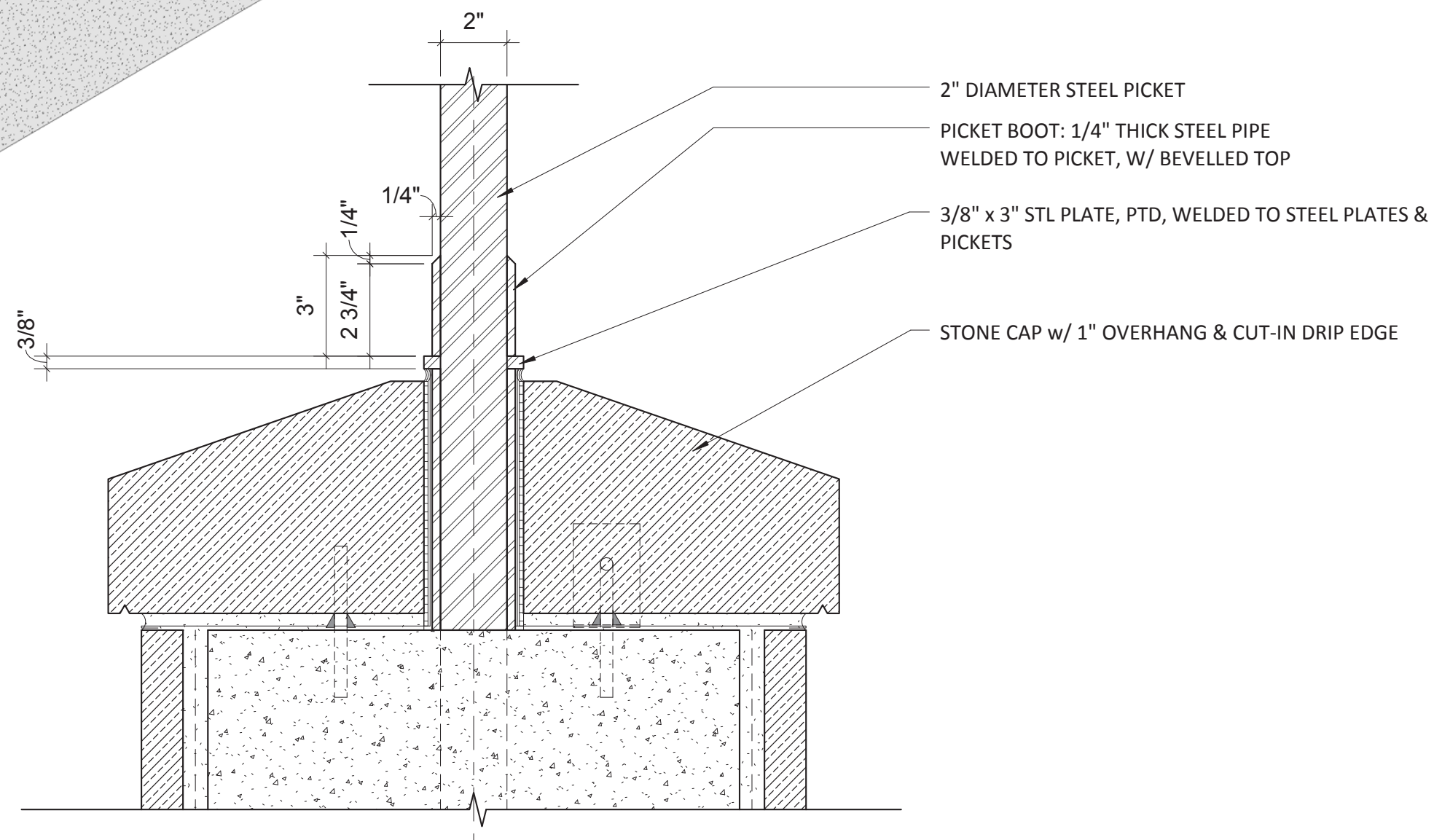
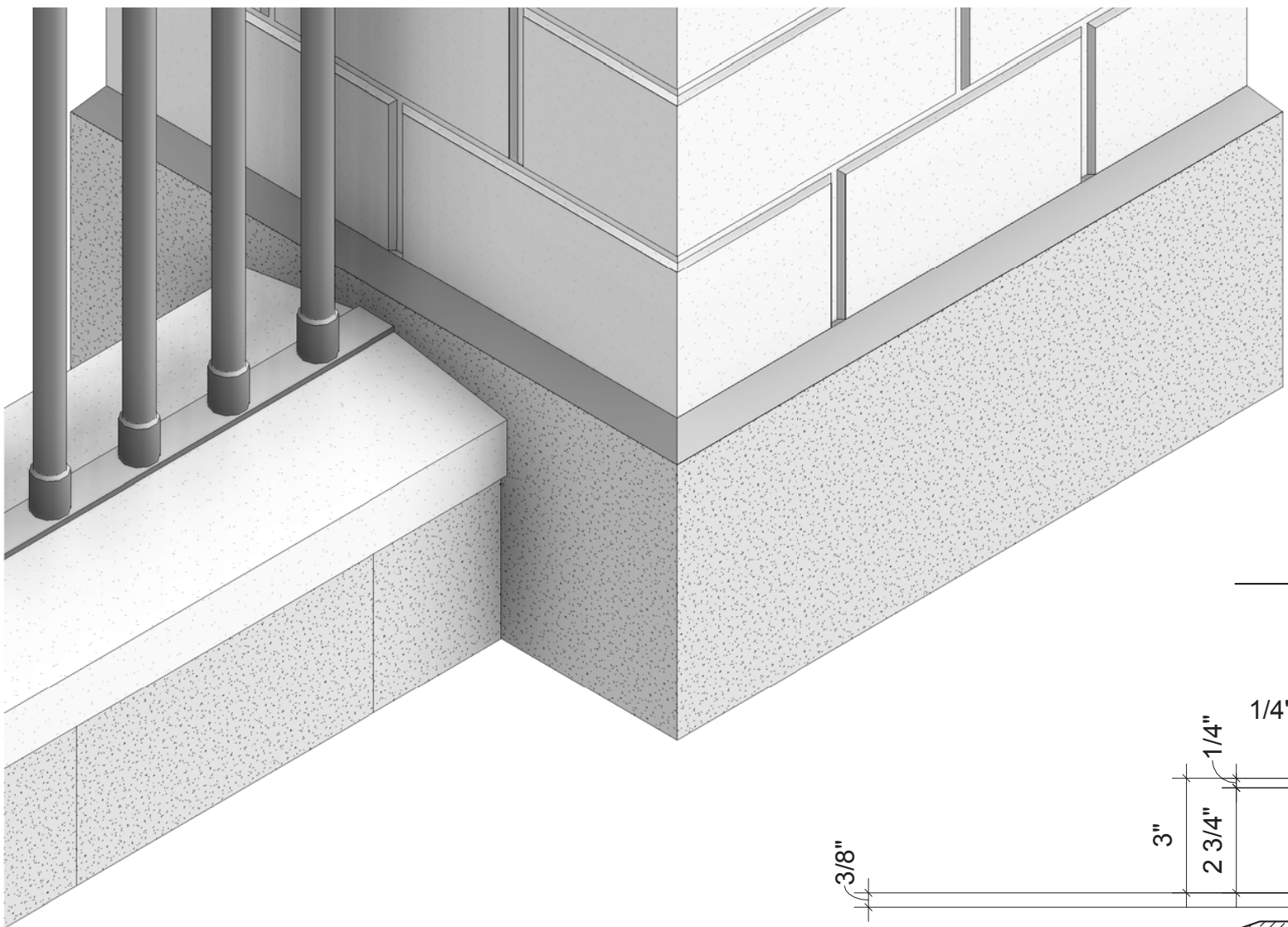
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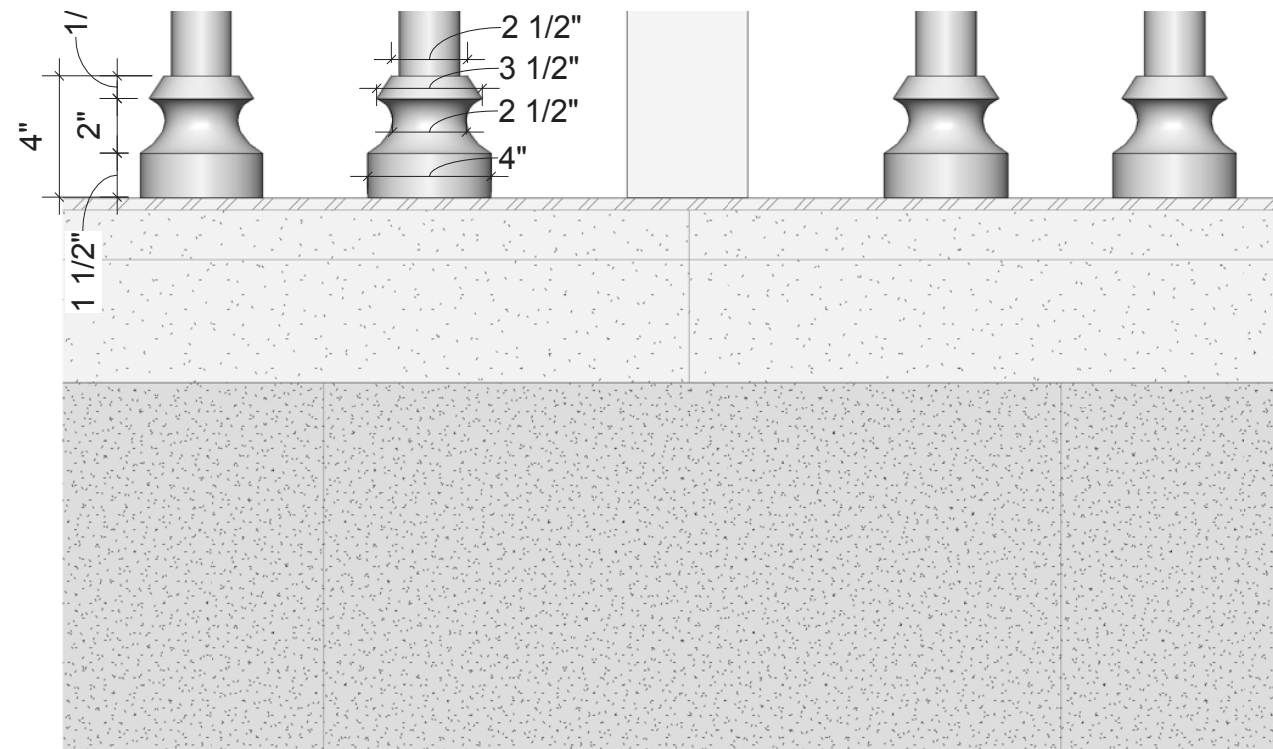
White House Complex Fence Phase 1  
February 2, 2016

## Pier Base Studies

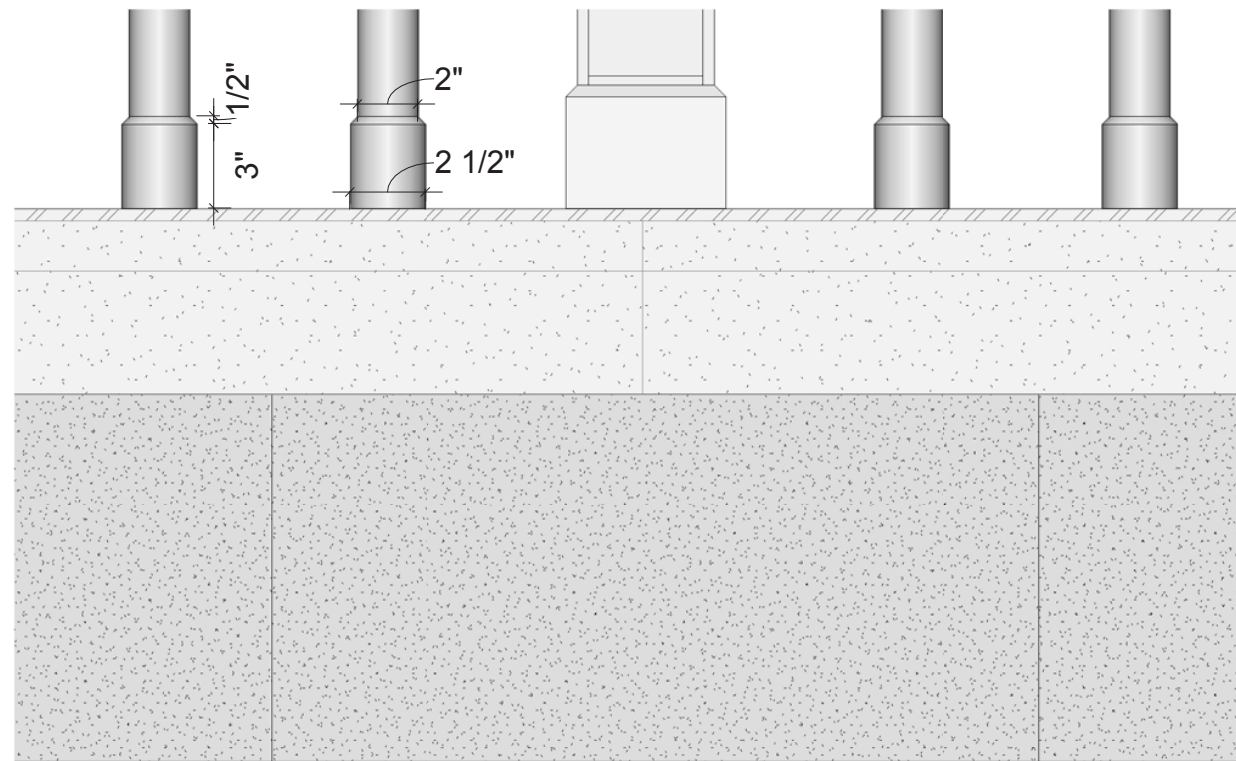




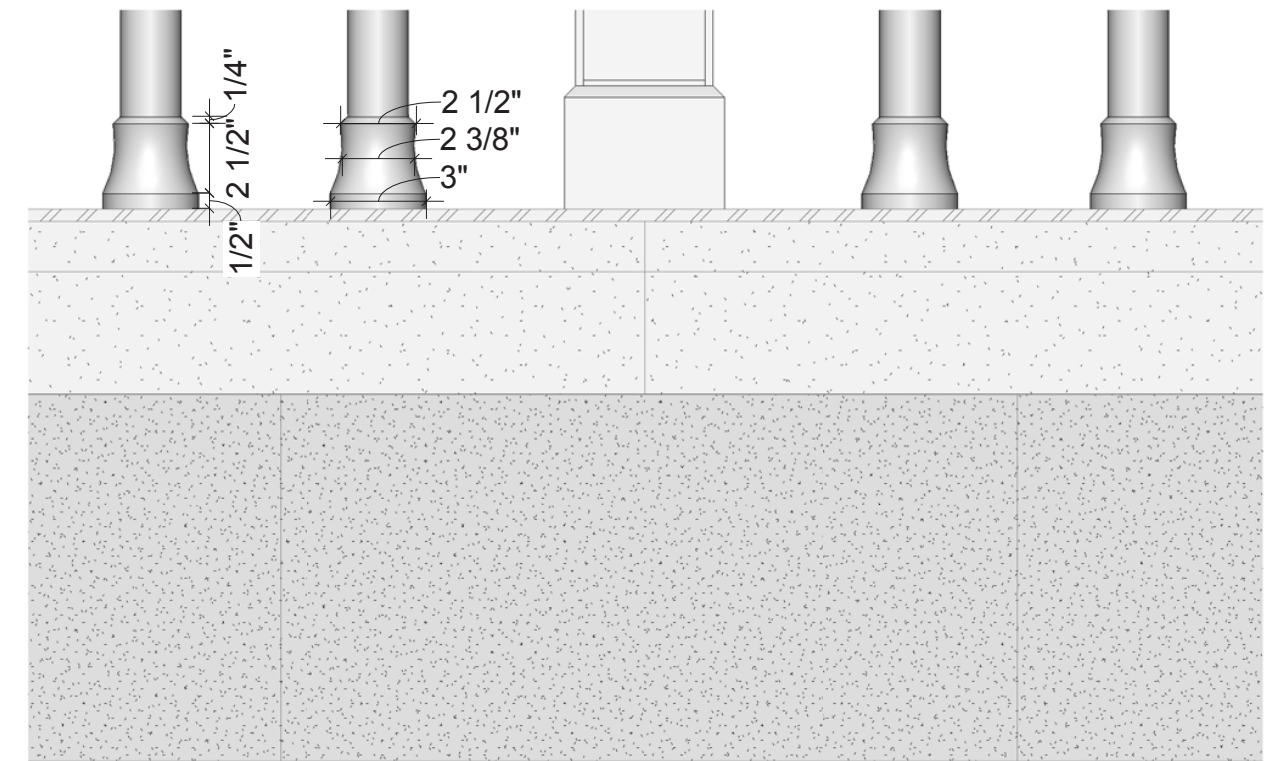




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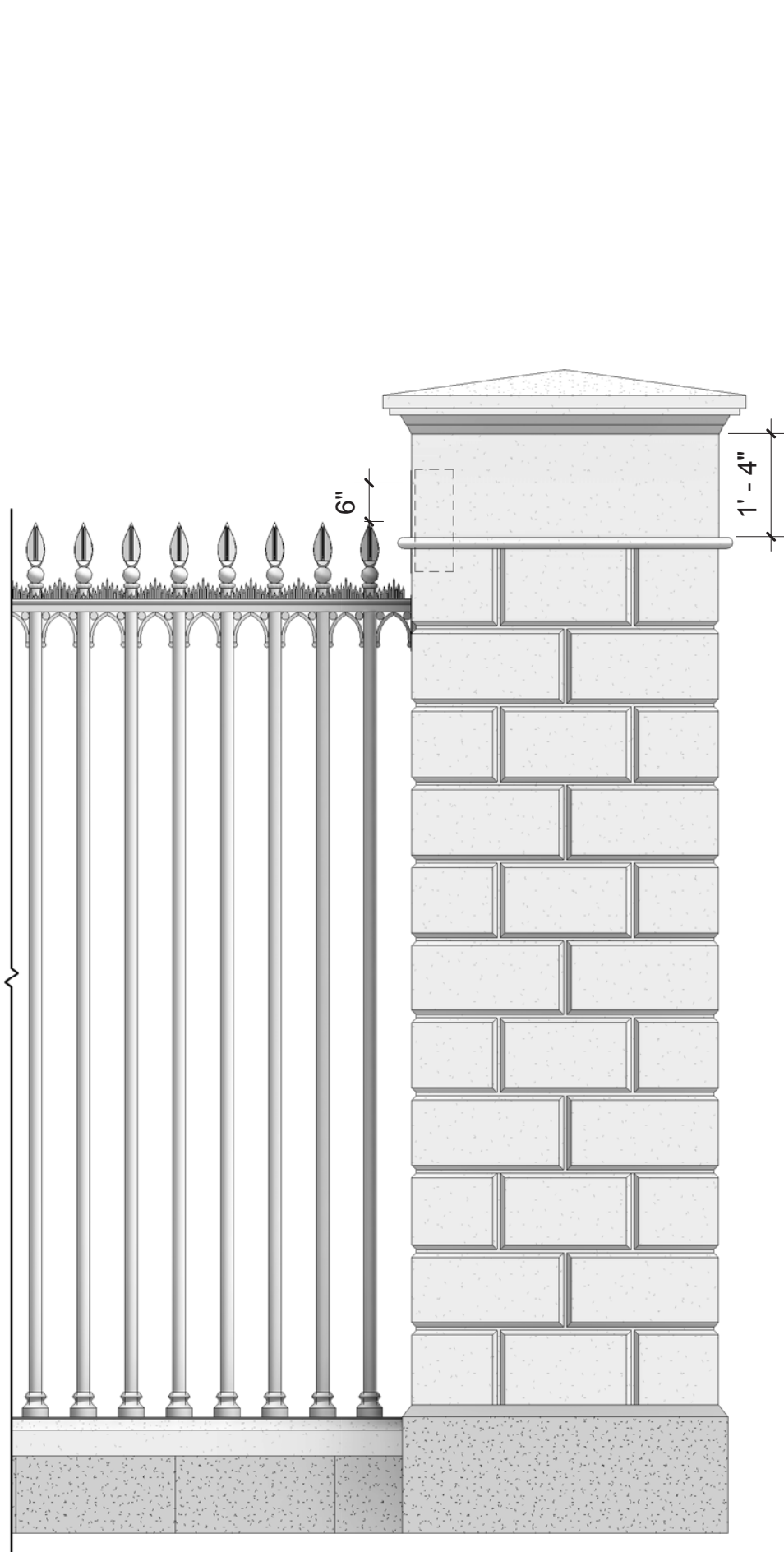
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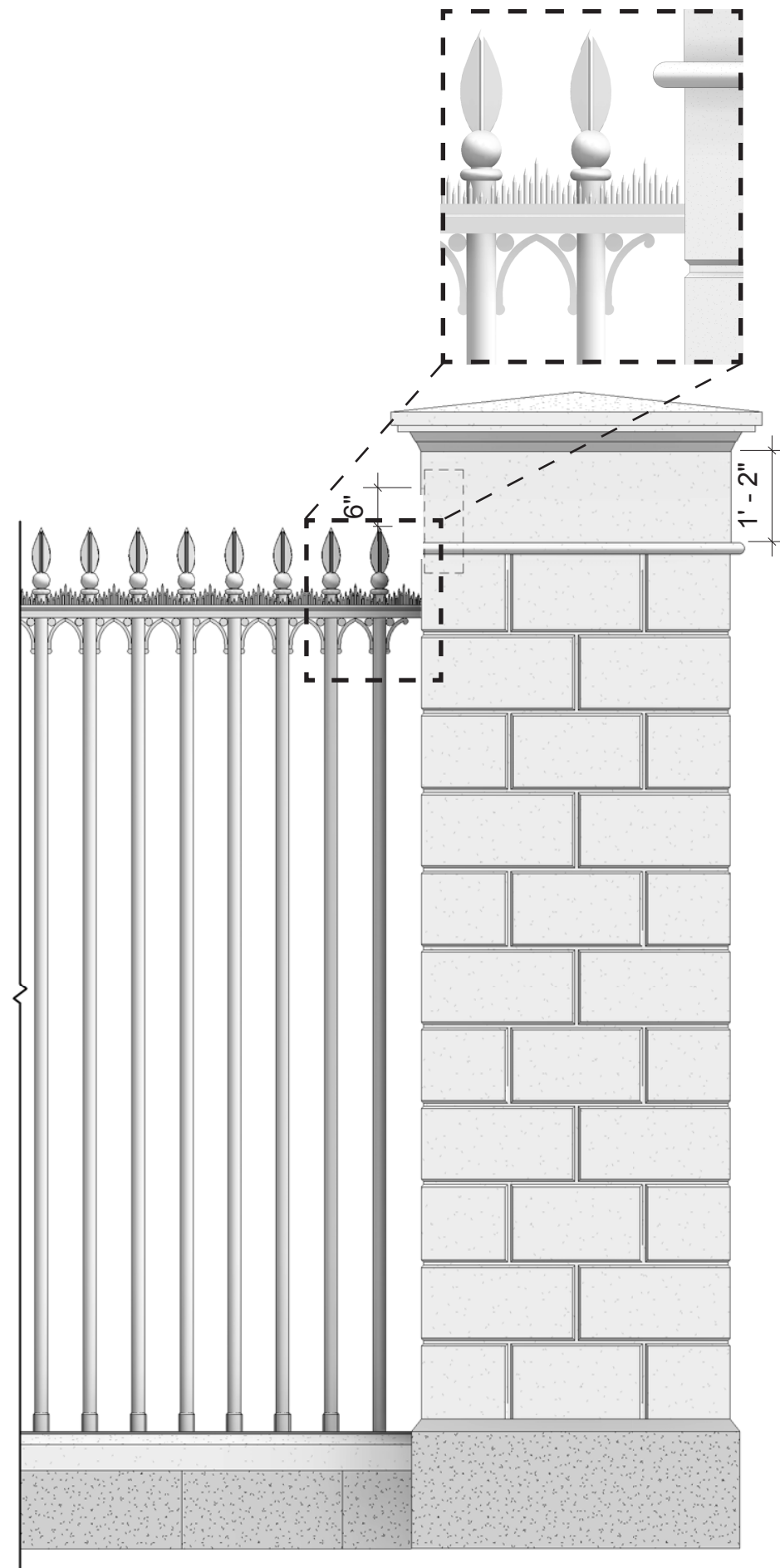
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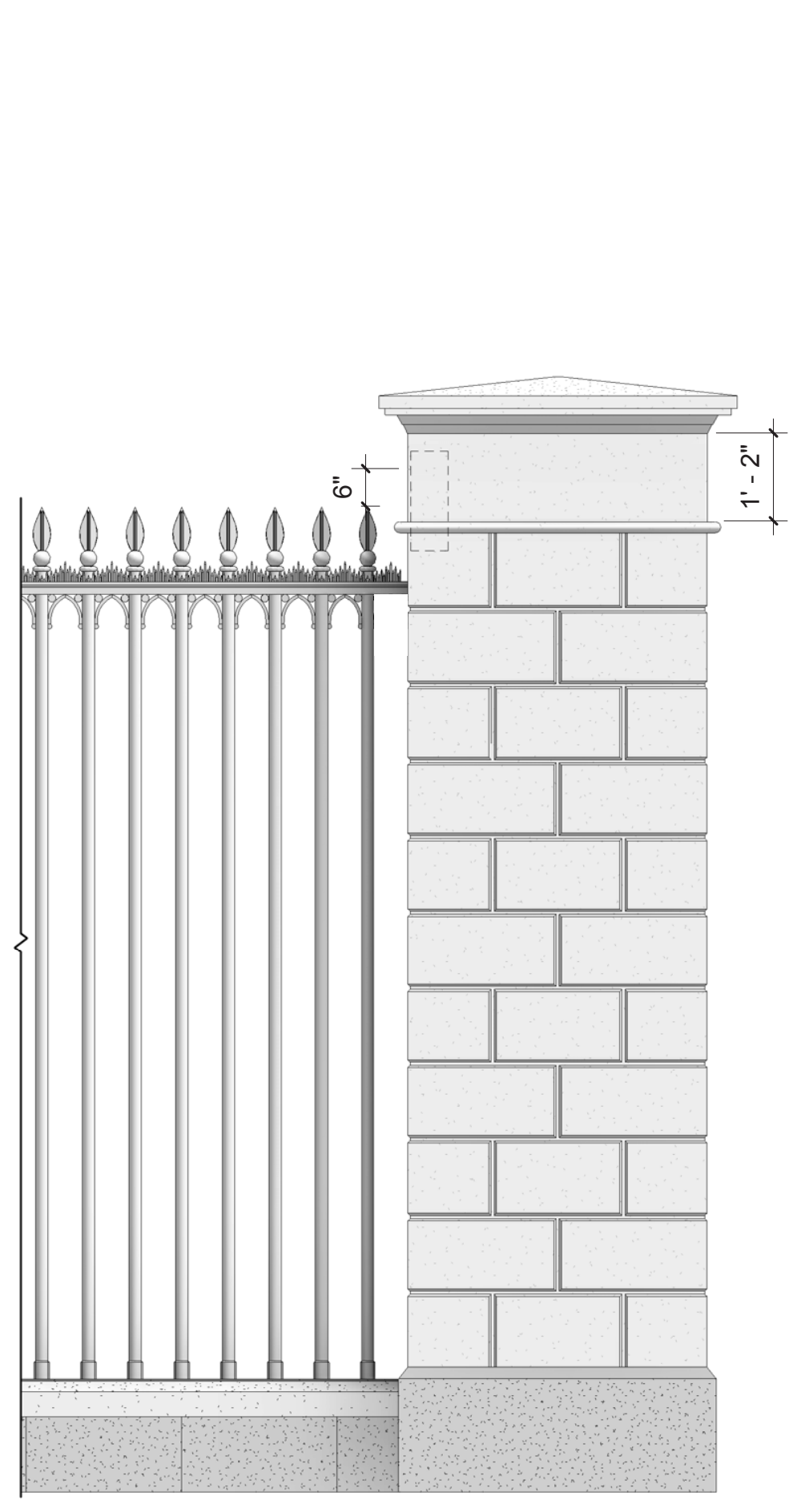




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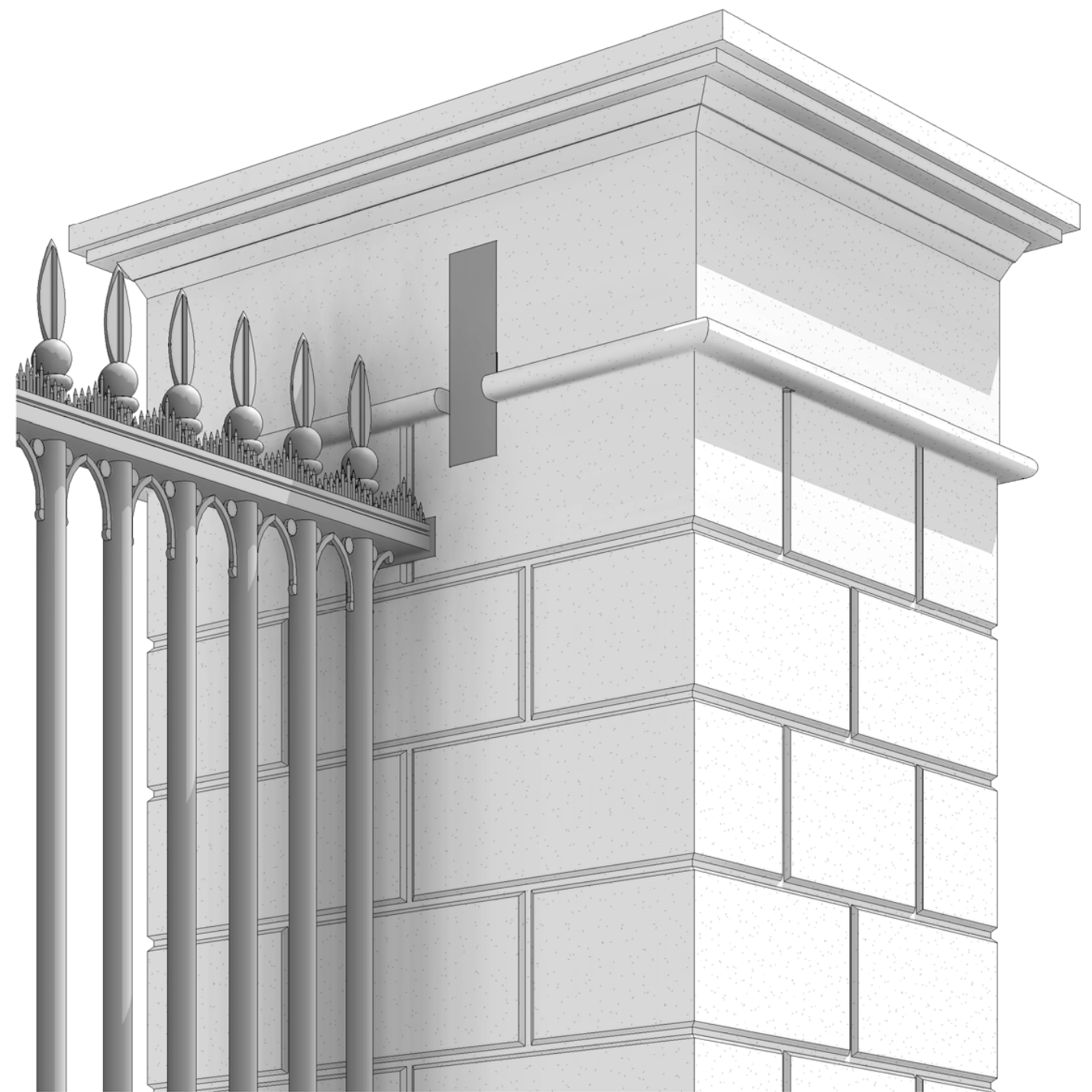
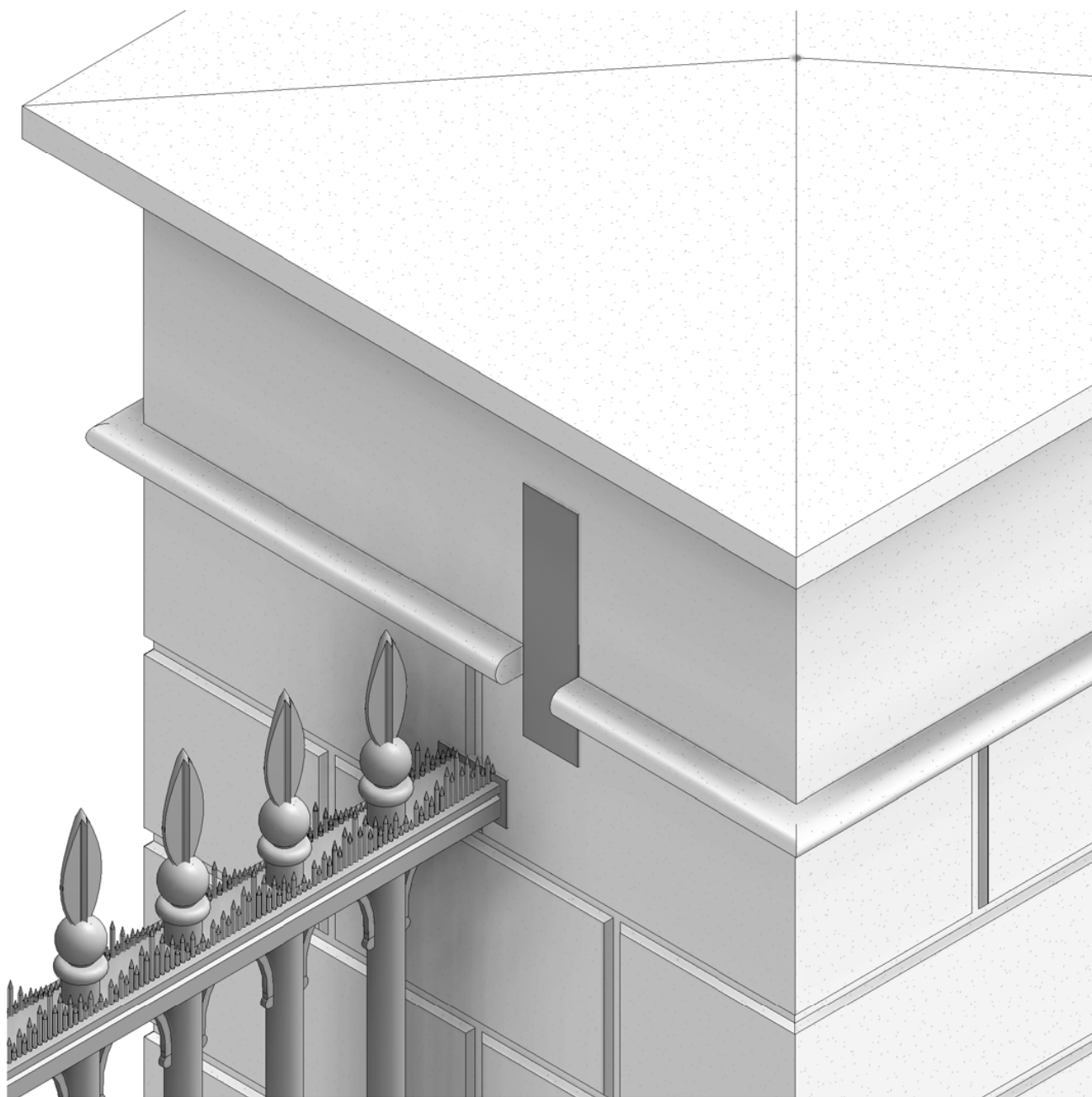
*Proposal/Study 1*



*Proposal/Study 2*



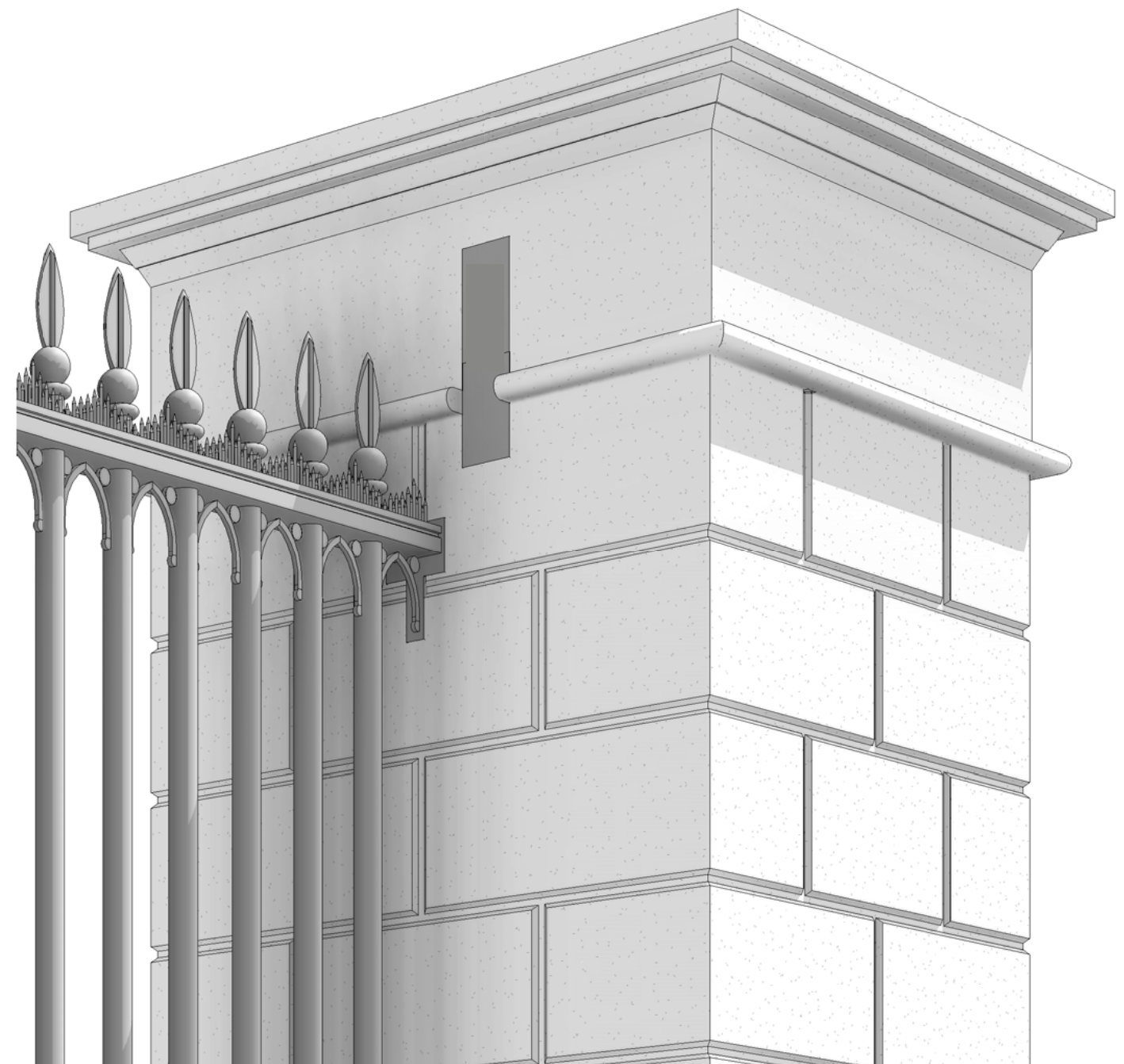
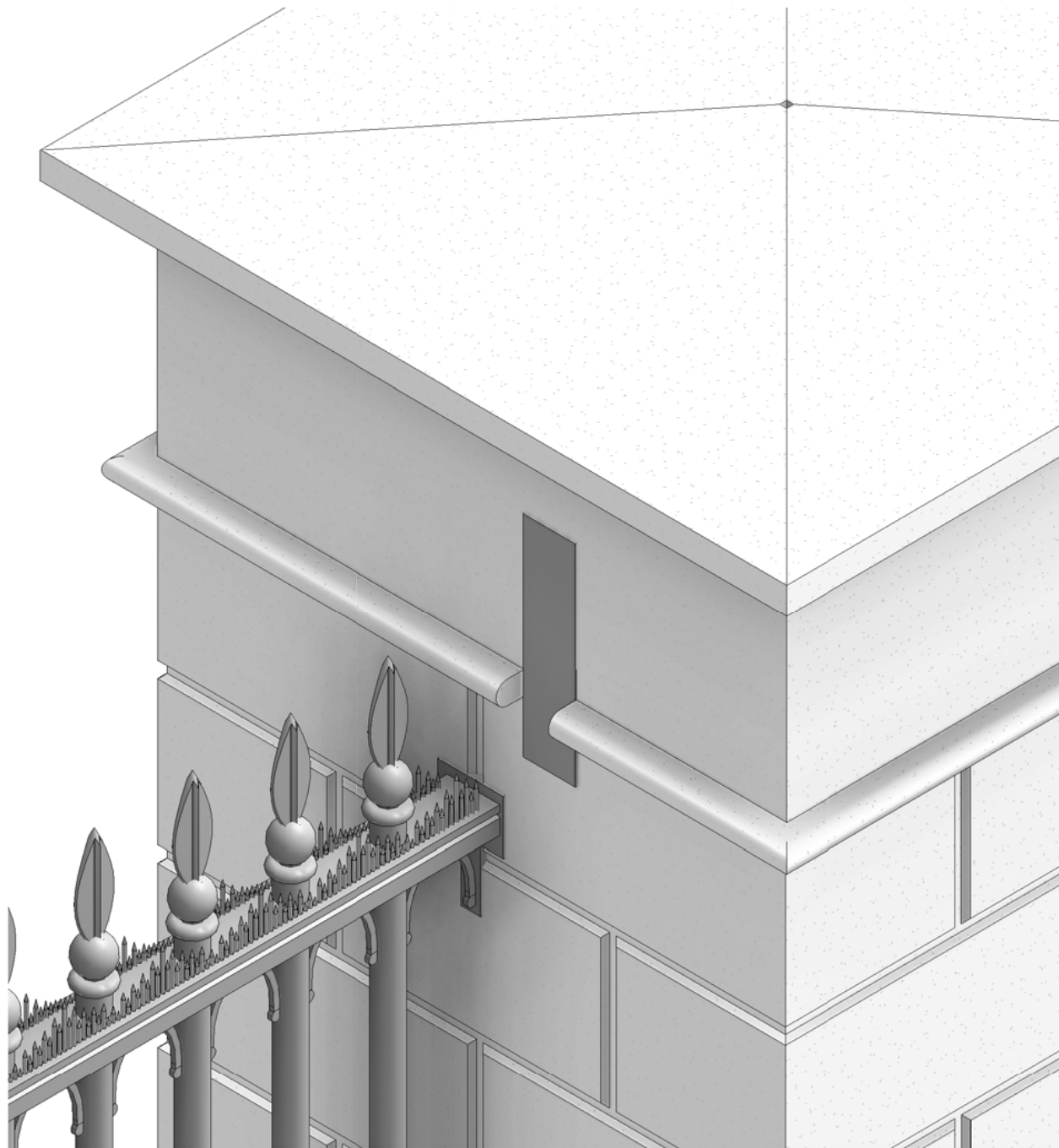




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February 2, 2016

## Fence to Pier Connection Custom Arch Detail

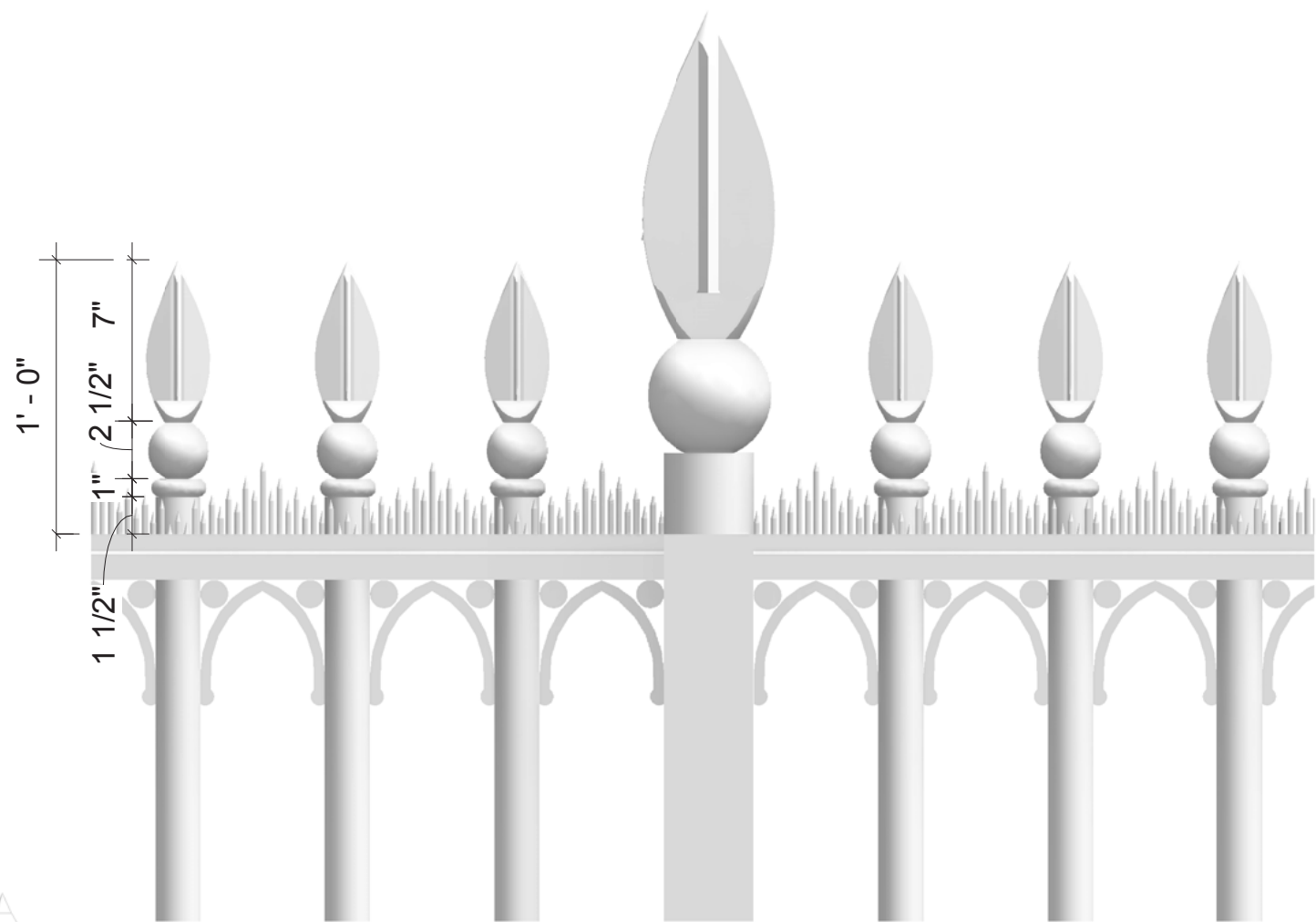




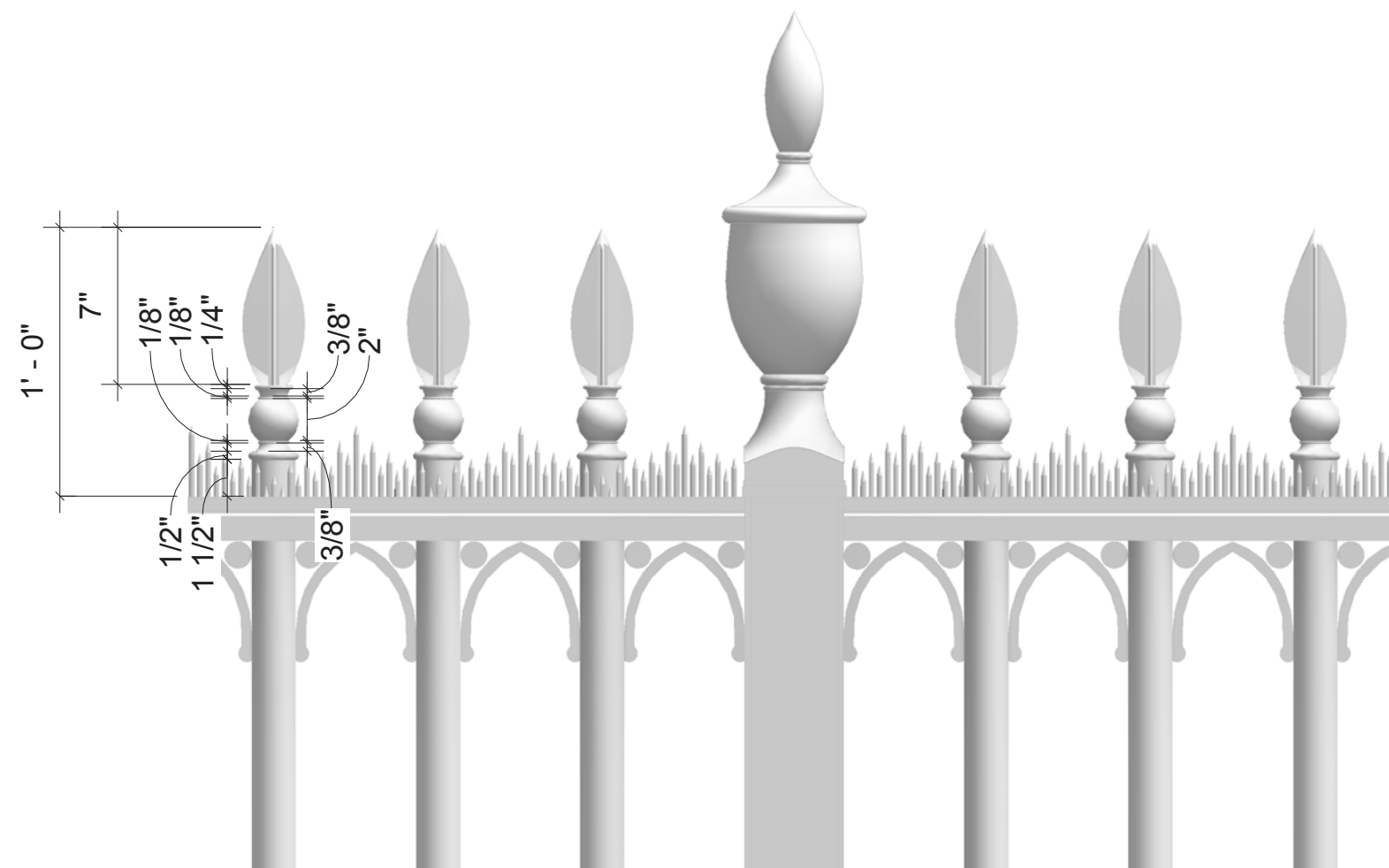
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February 2, 2016

## Fence to Pier Connection Full Arch Detail





*Previously Proposed*



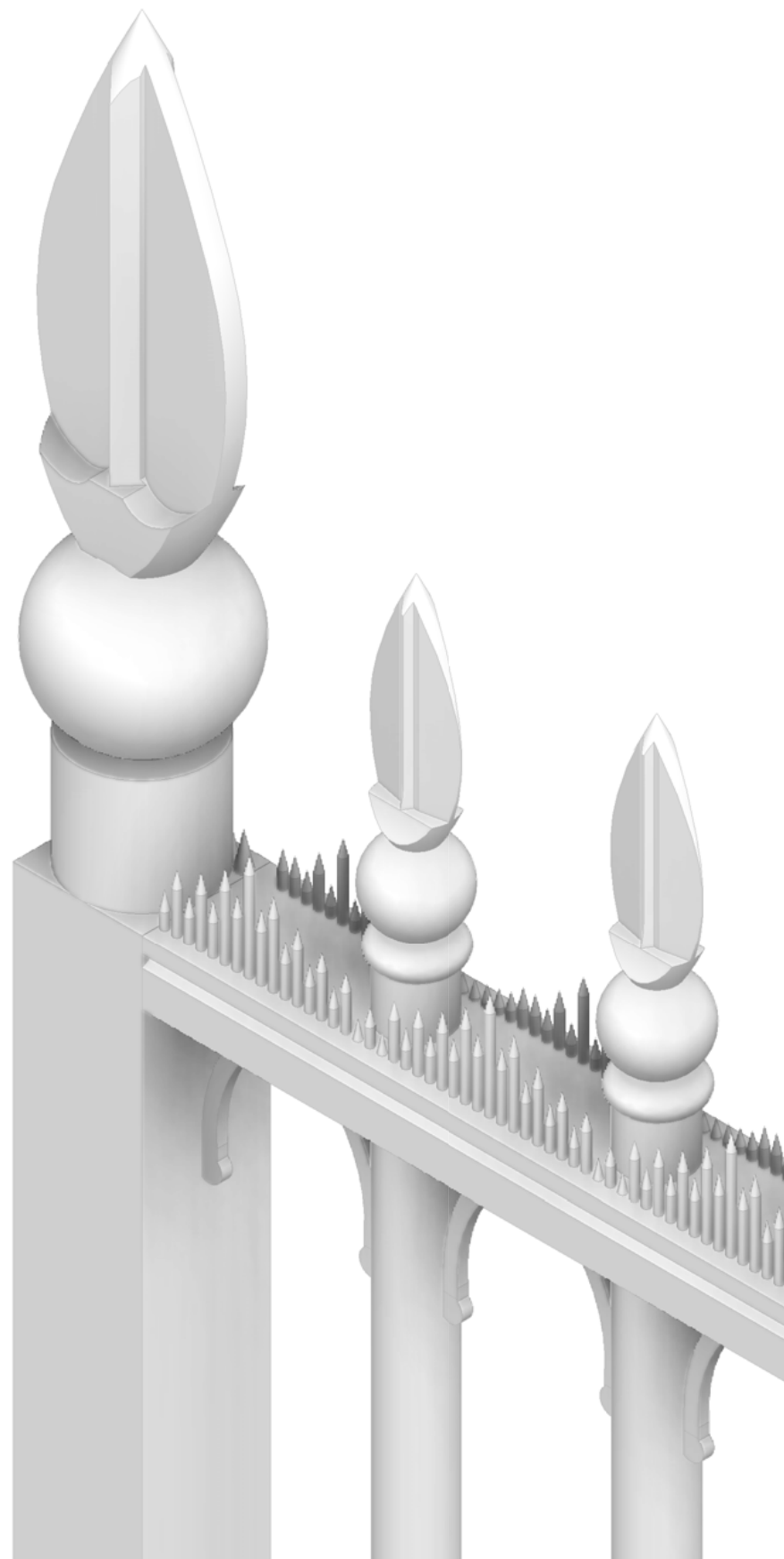
*Current Proposal*



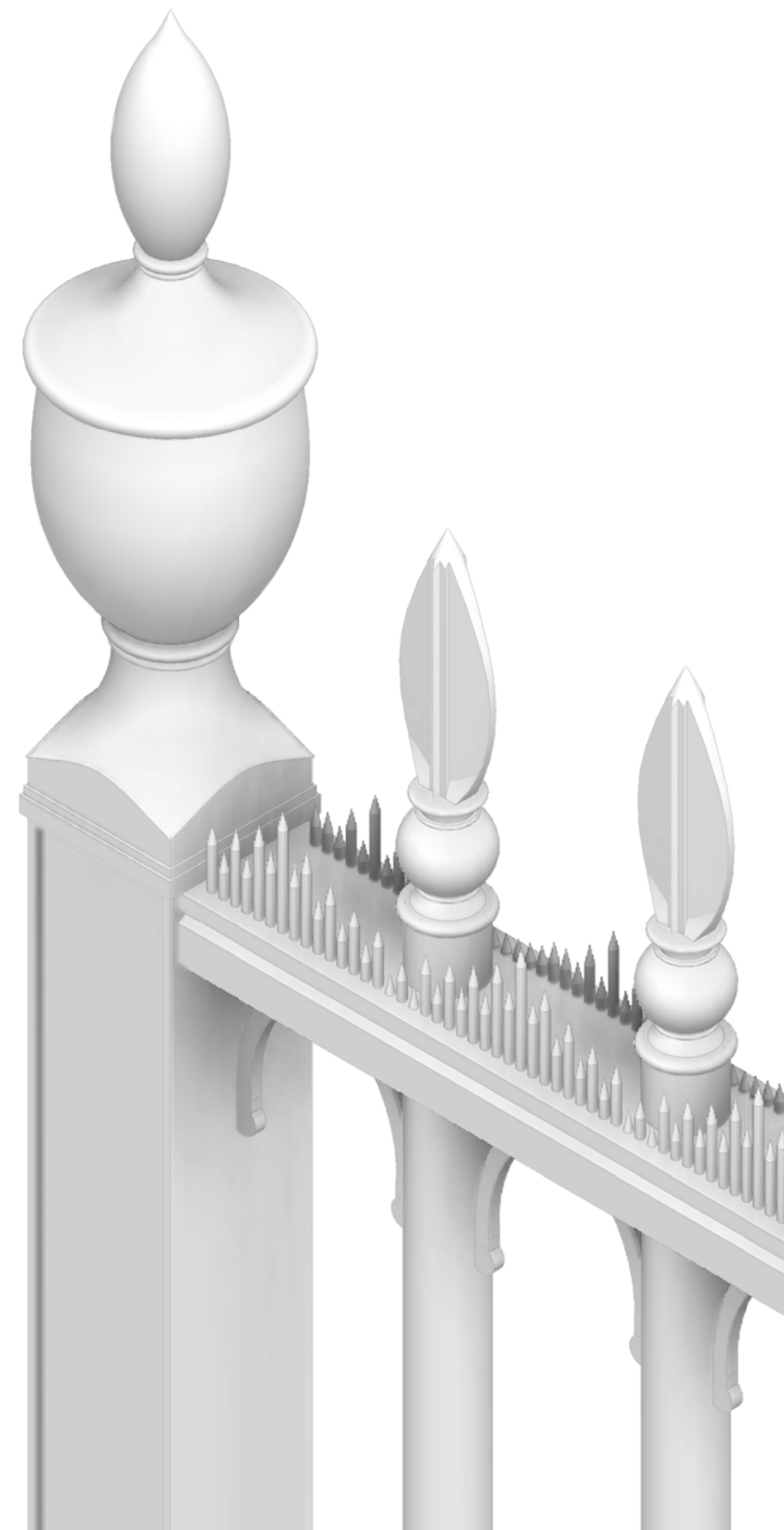
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February 2, 2016

Picket Top Studies





*Previously Proposed*



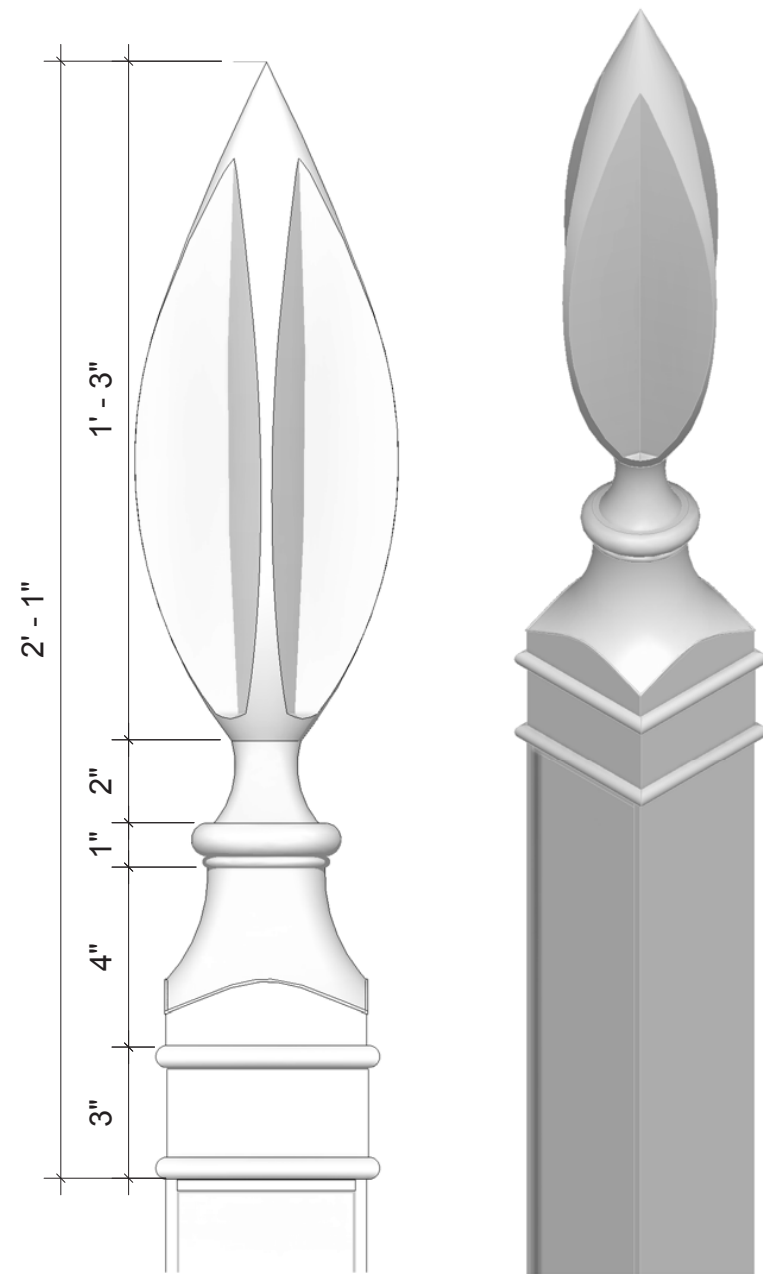
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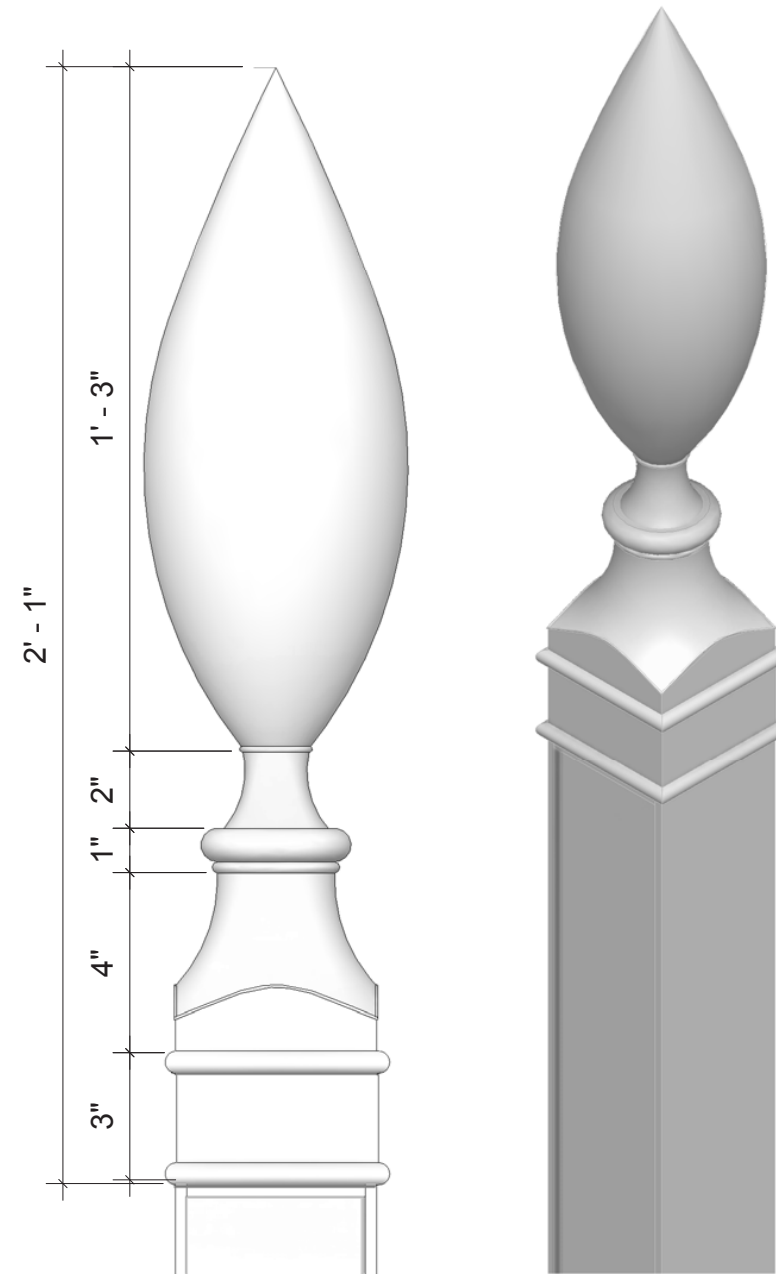
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Picket Top Studies

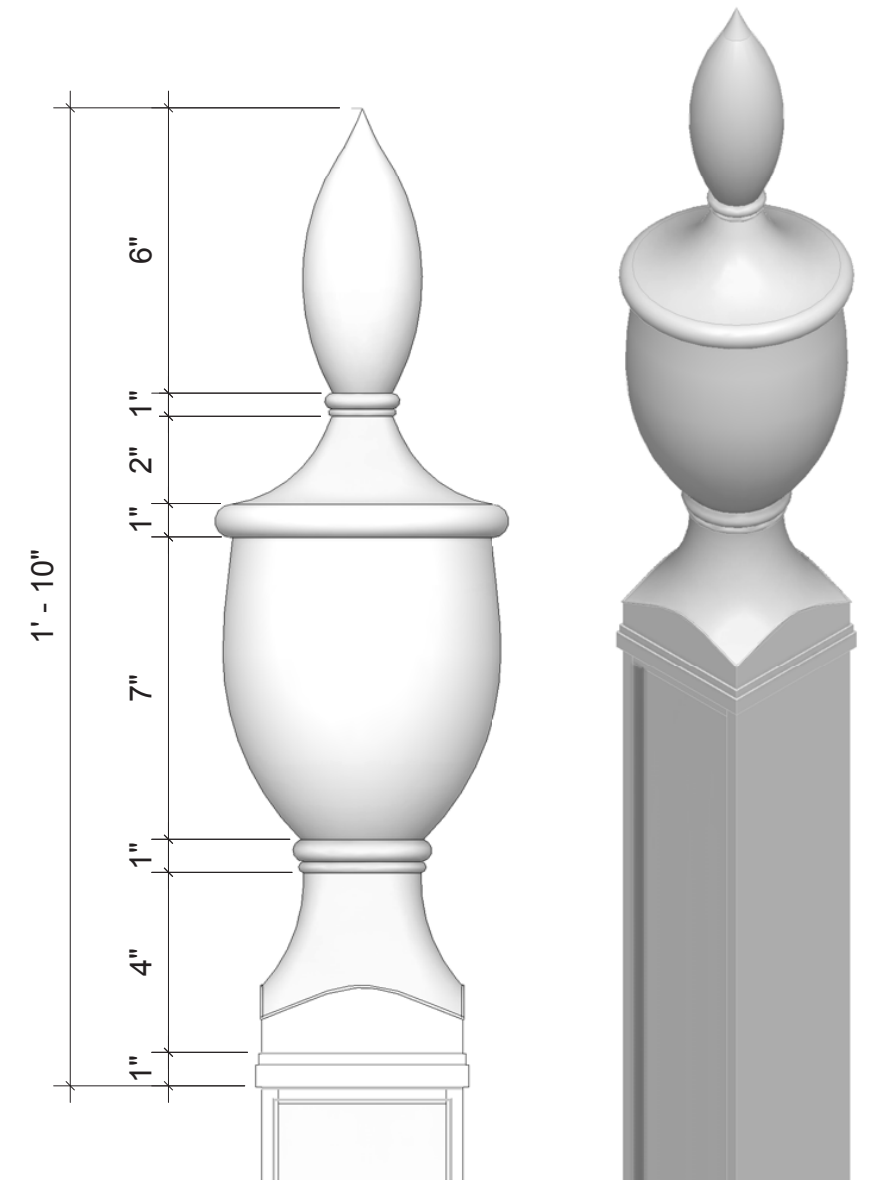




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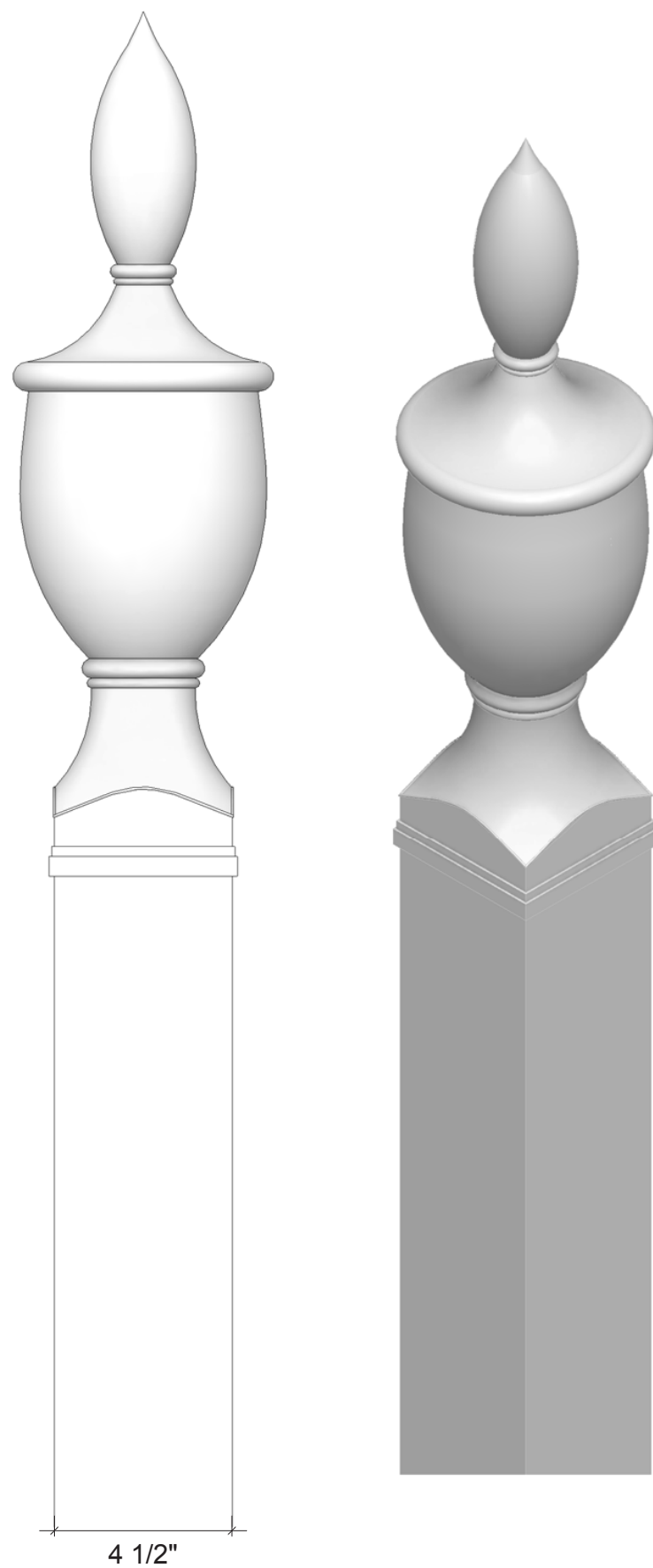
*Proposal/Study 1*



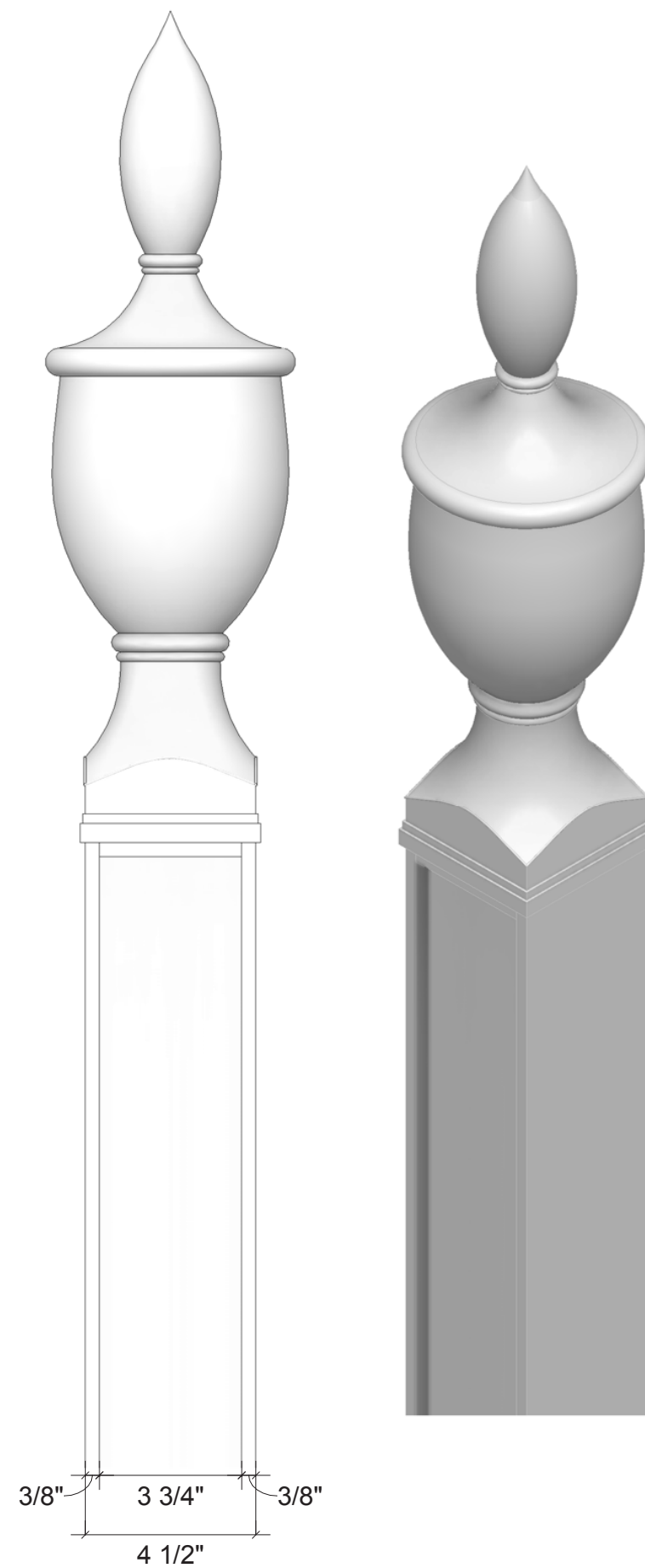
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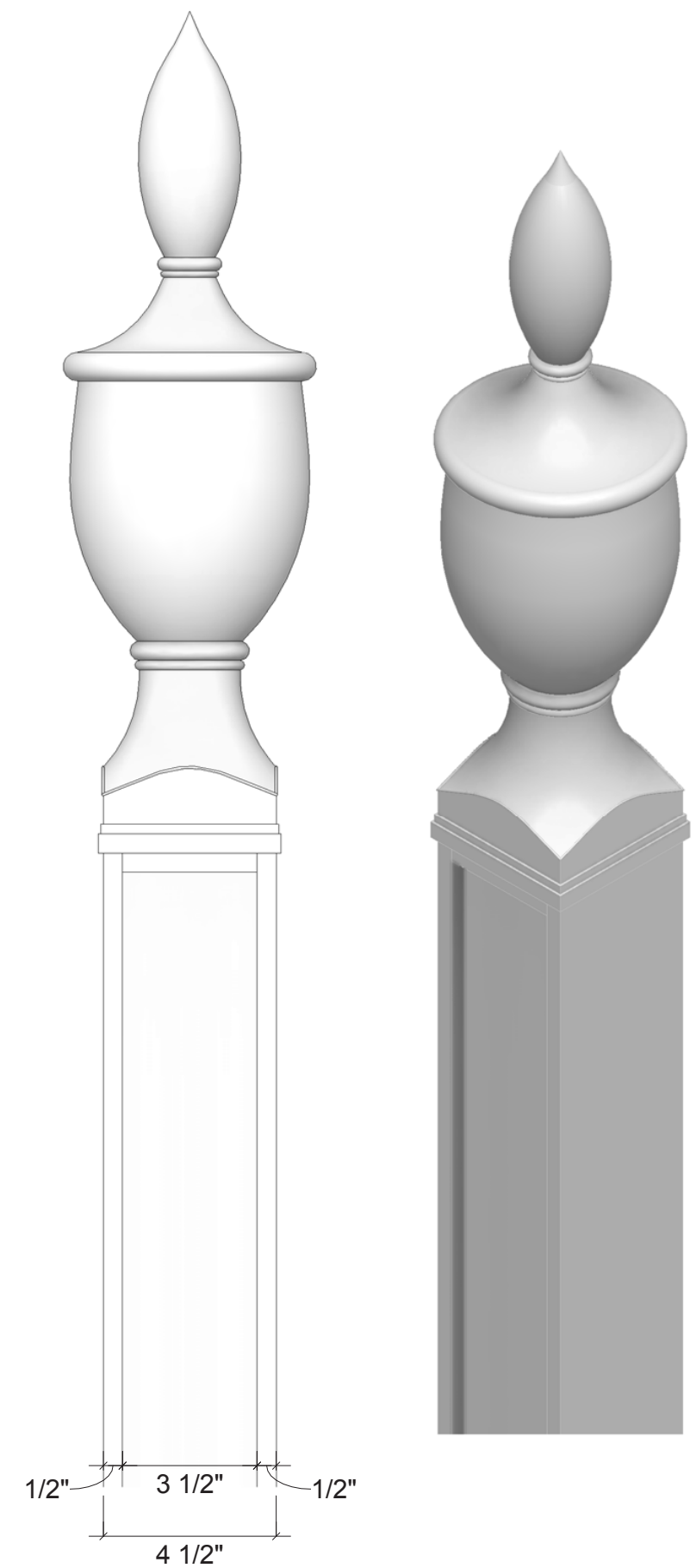




*Previously Proposed*



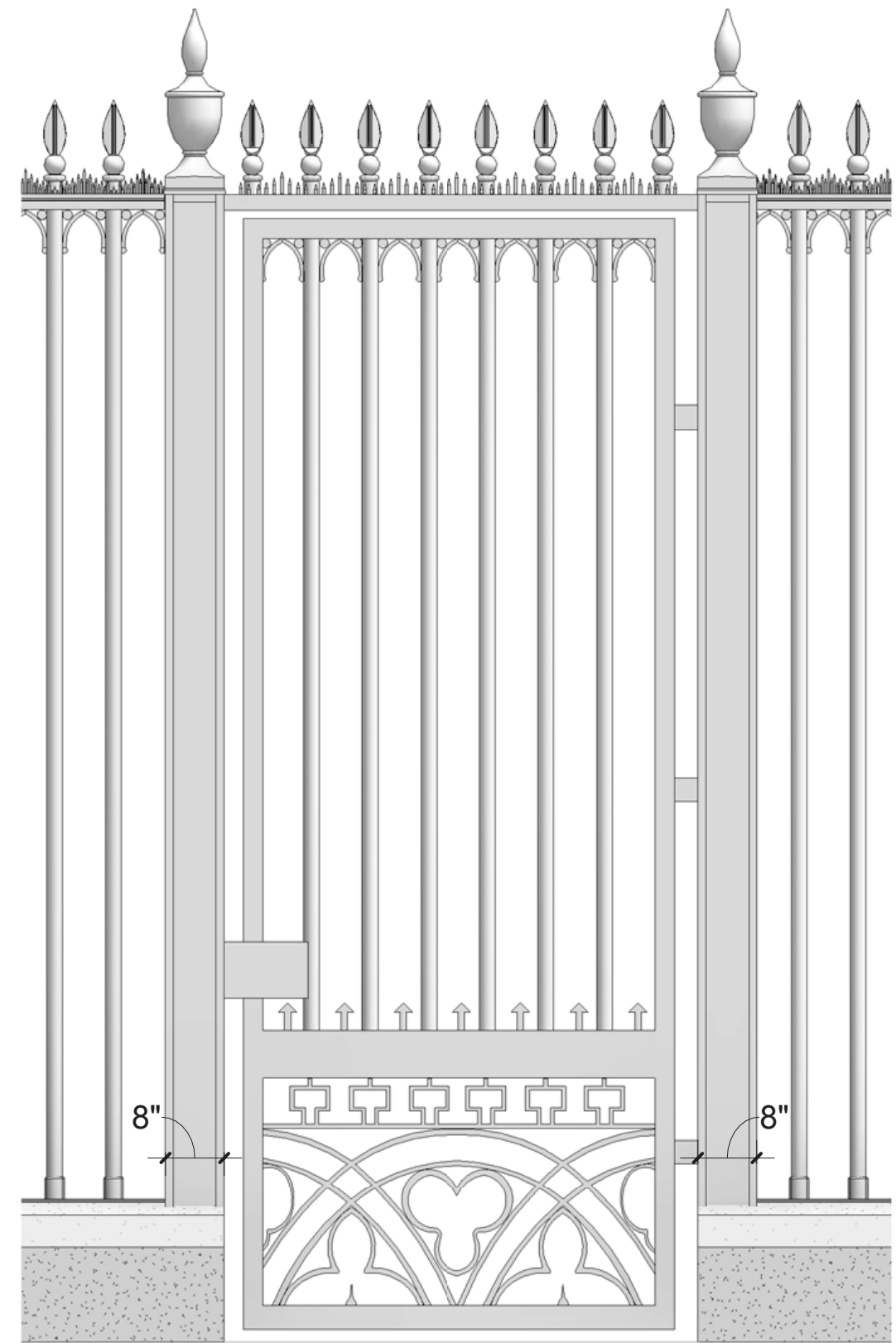
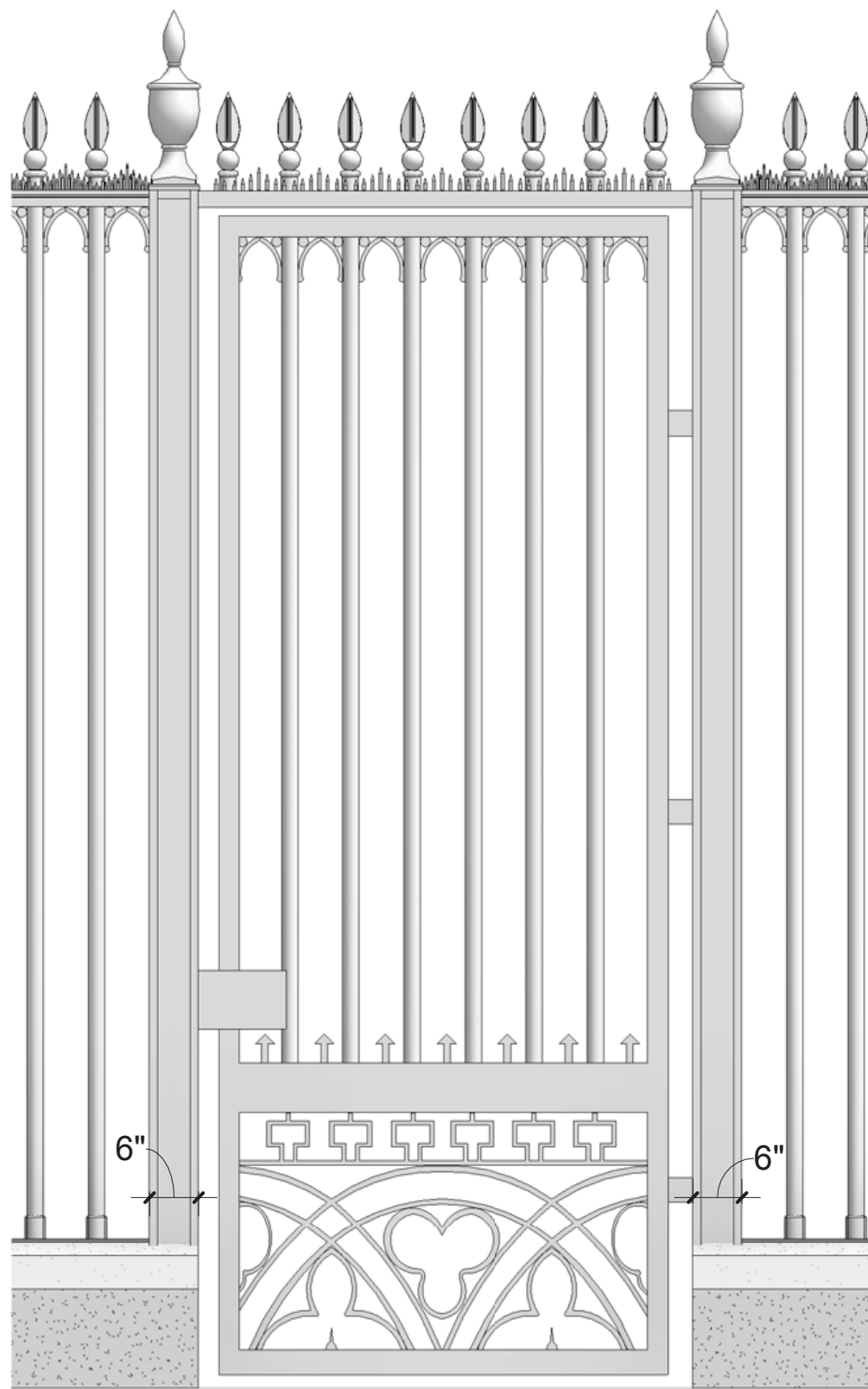
*Proposal/Study 1*



*Proposal/Study 2*



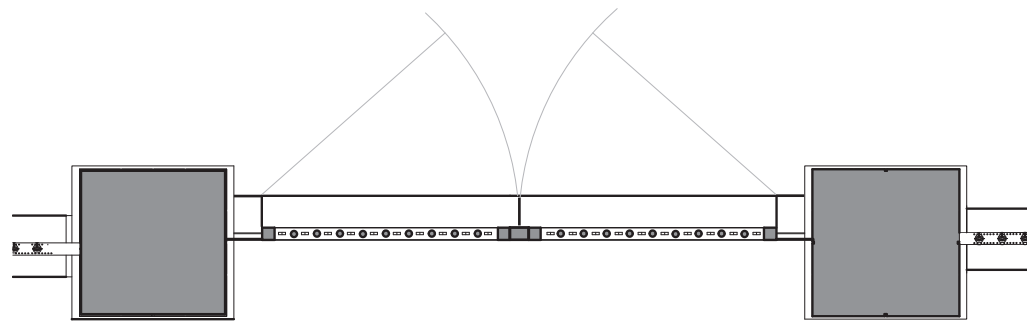




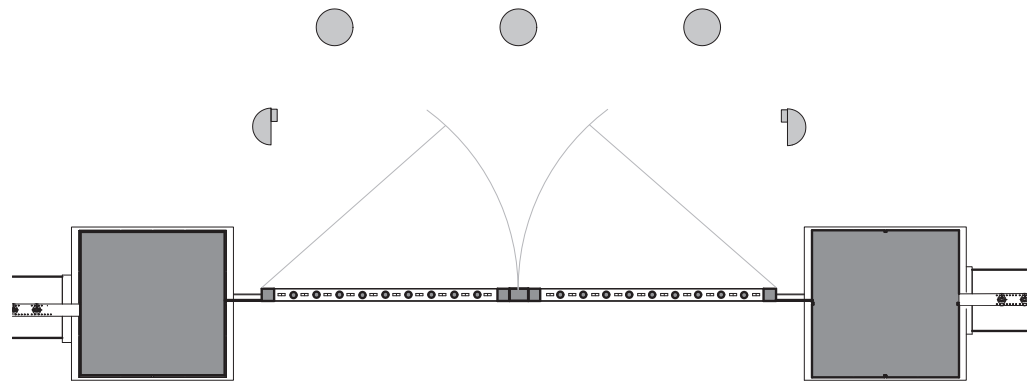
White House Complex Fence Phase 1  
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## Gate Post Studies

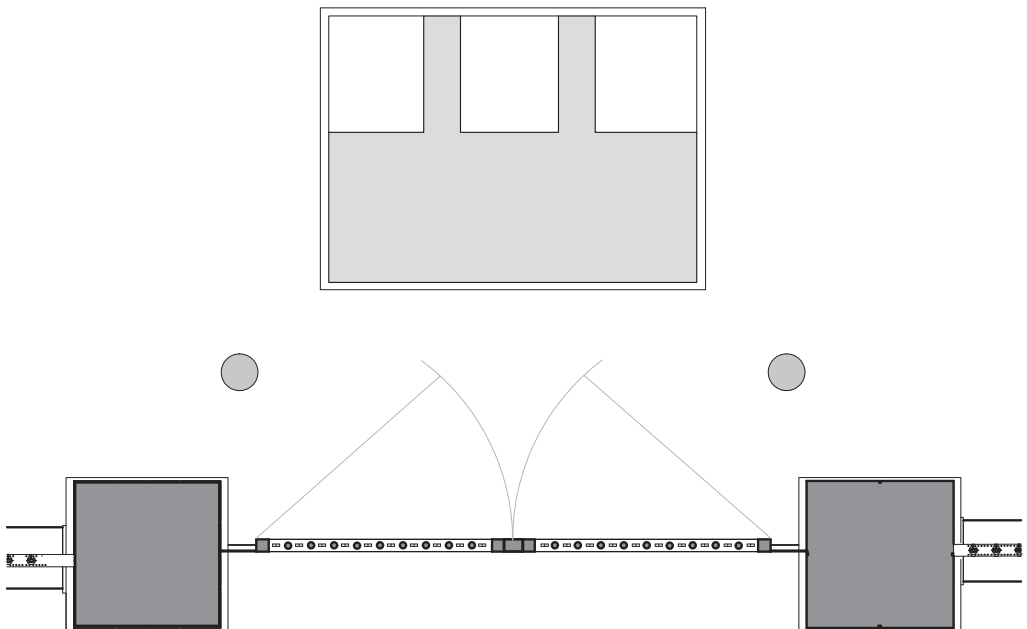




Option 1: Crash Rated Gate



Option 2: Non-Crash Rated Gate with Crash Rated Retractable Bollards



Option 3: Non-Crash Rated Gate with Crash Rated Wedge Barrier



**A-Retractable Bollards**

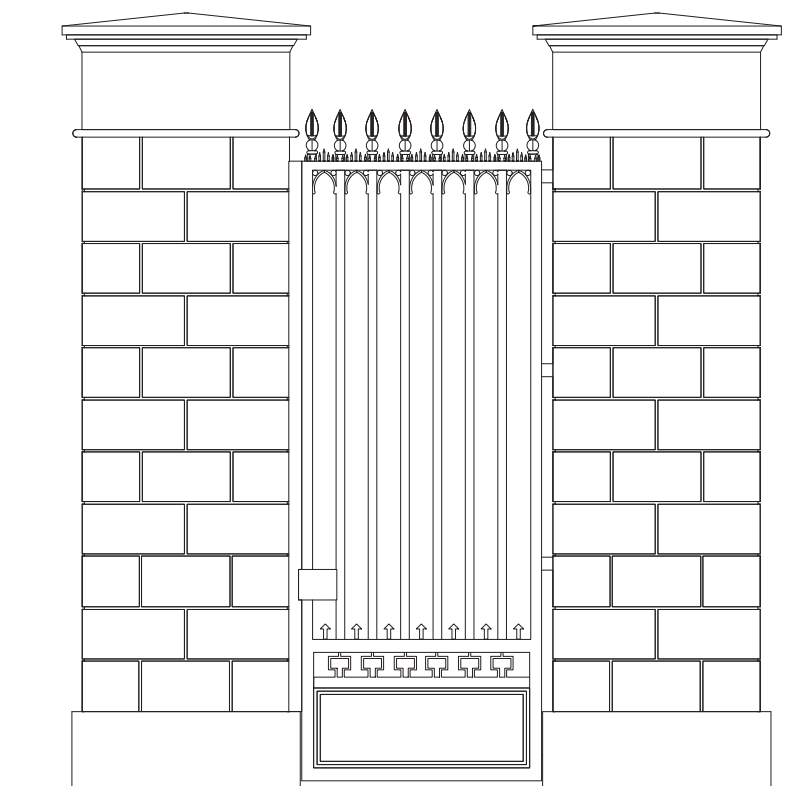


**B- Wedge Barrier**

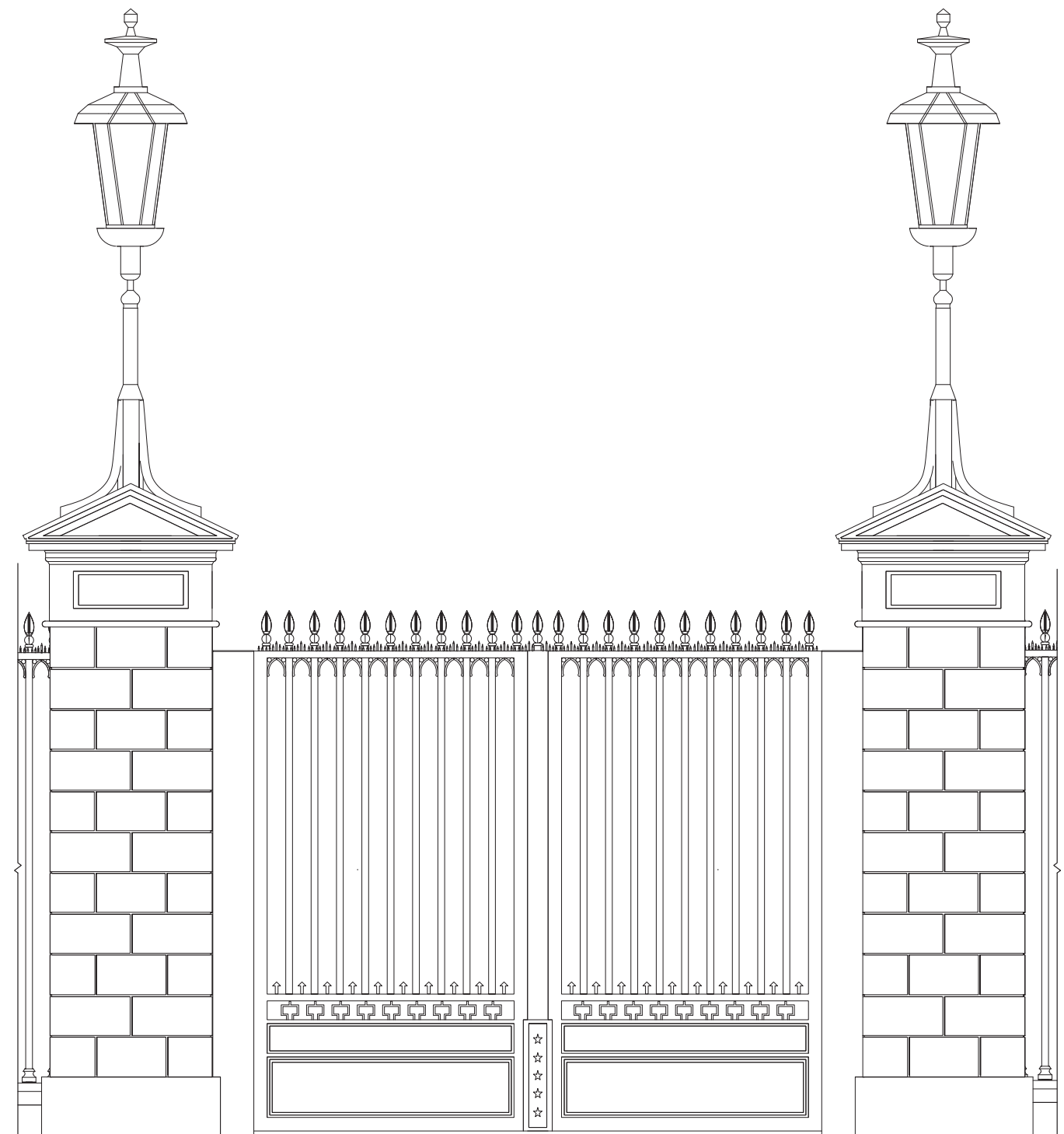
(Note: Proposed Barrier will be painted a darker color with no STOP sign)







Pedestrian Gate Concept  
Pennsylvania Ave.



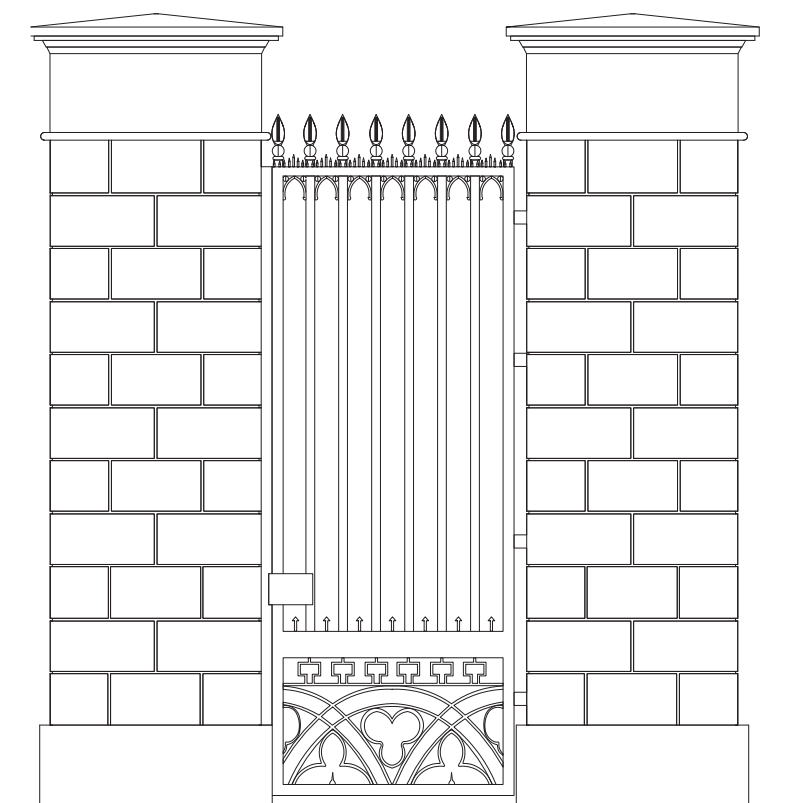
Vehicle Gate Concept: 13' high x 16' wide  
Pennsylvania Ave.



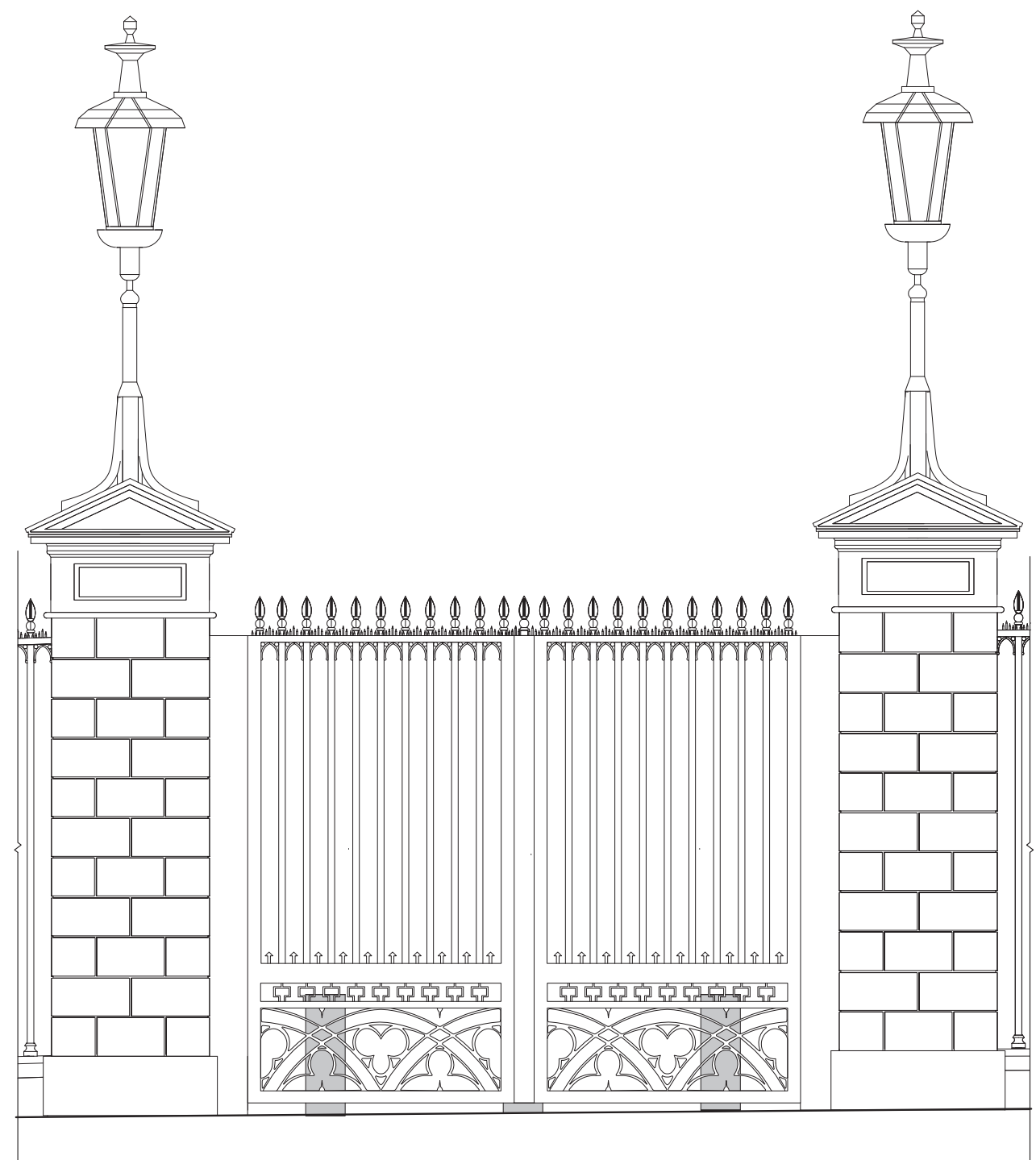
White House Complex Fence Phase 1  
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Option 1- Crash Rated Gate  
Pennsylvania Ave





Pedestrian Gate Concept  
Pennsylvania Ave.

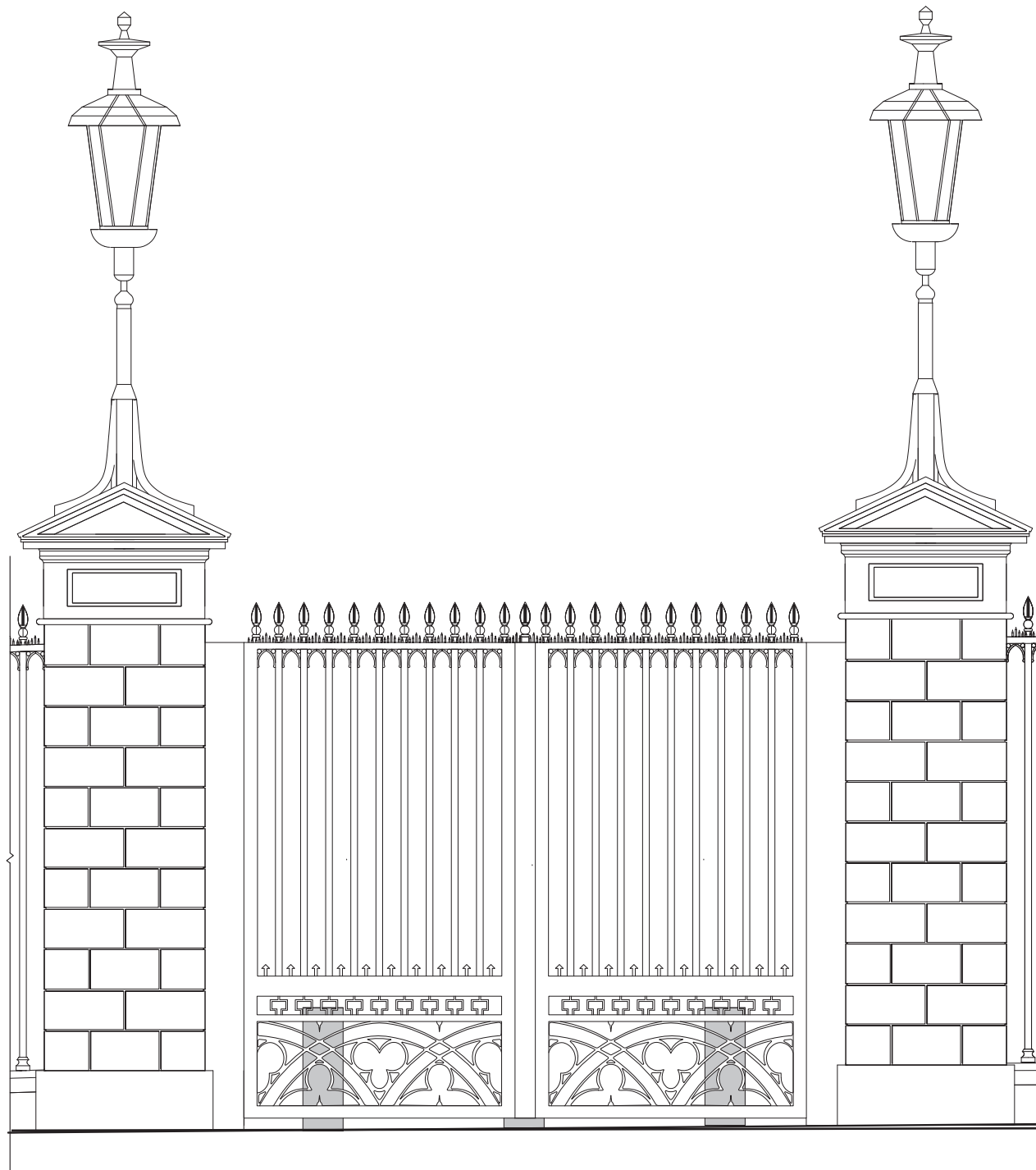


Vehicle Gate Concept: 13' high x 16' wide  
Pennsylvania Ave.

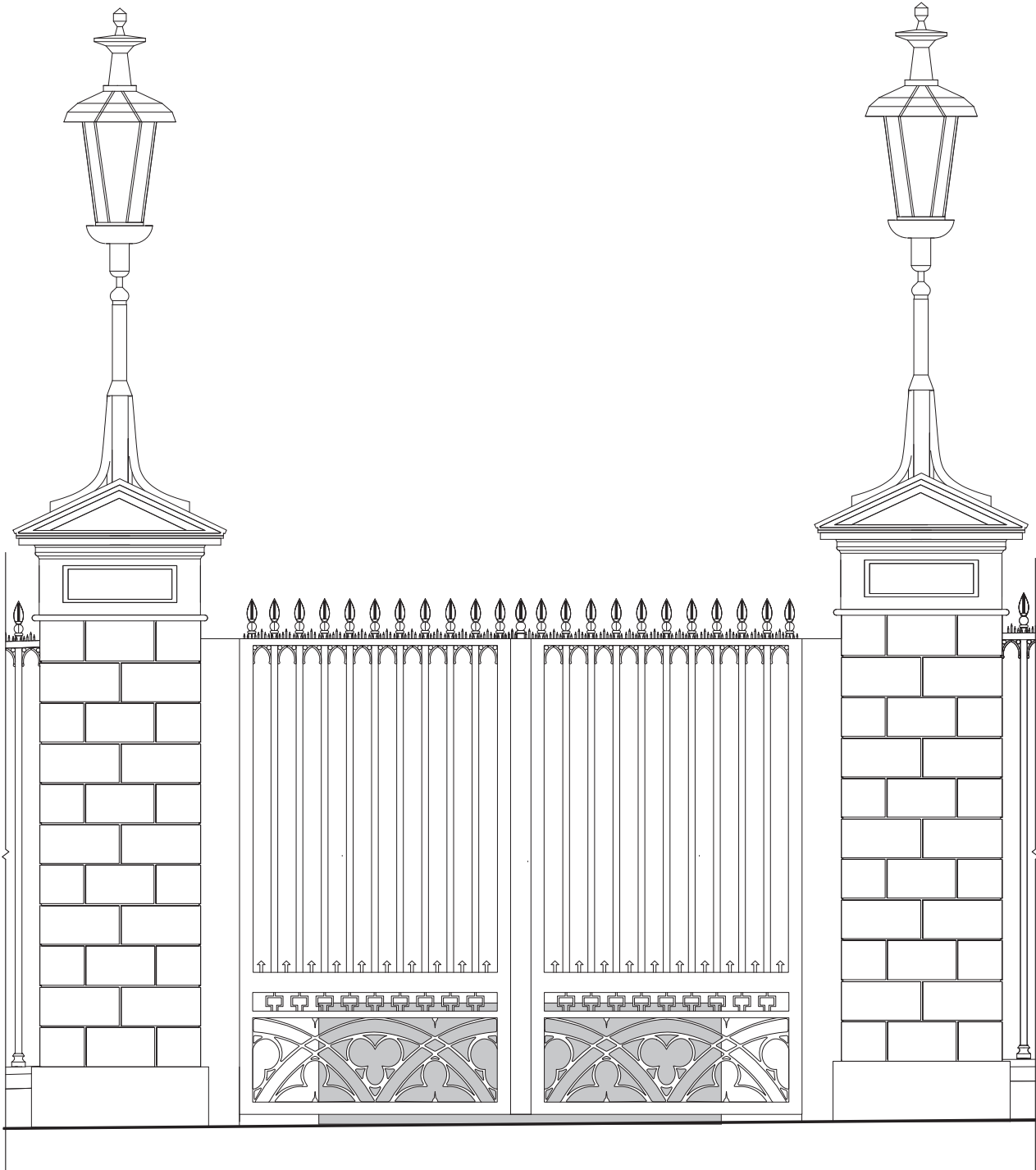


White House Complex Fence Phase 1  
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Option 2- Non-Crash Rated Gate w/ bollards  
Pennsylvania Ave



Vehicle Gate Option 2A: Crash Rated Bollards  
Pennsylvania Ave.



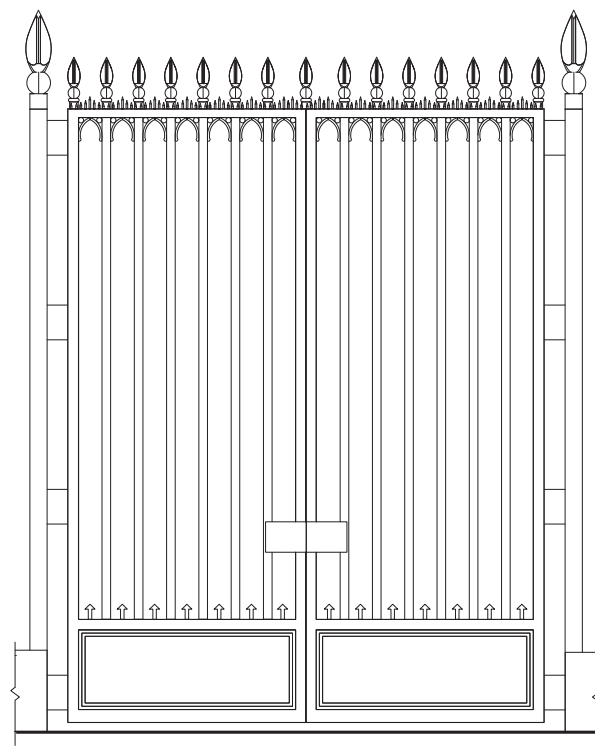
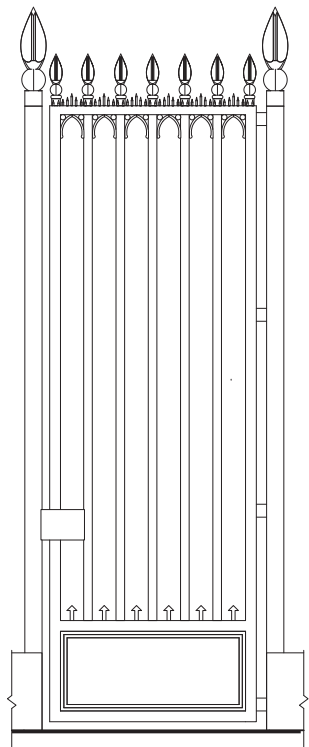
Vehicle Gate Option 2B: Crash Rated Wedge  
Pennsylvania Ave.



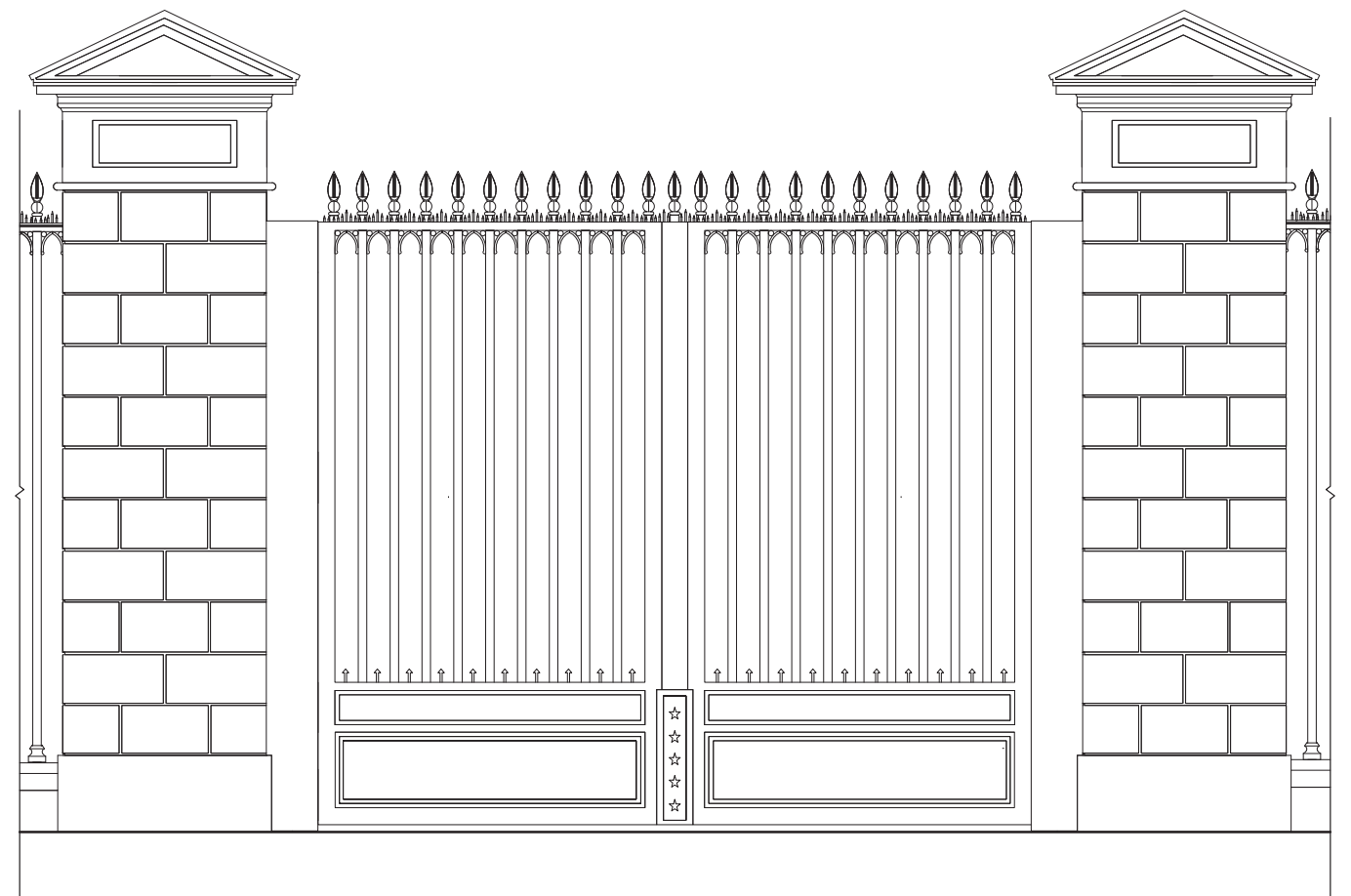
White House Complex Fence Phase 1  
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Option 2- Non-Crash Rated Gate  
 with Separate Crash Barrier  
 Pennsylvania Ave





Pedestrian Gates Concept  
East & West Executive

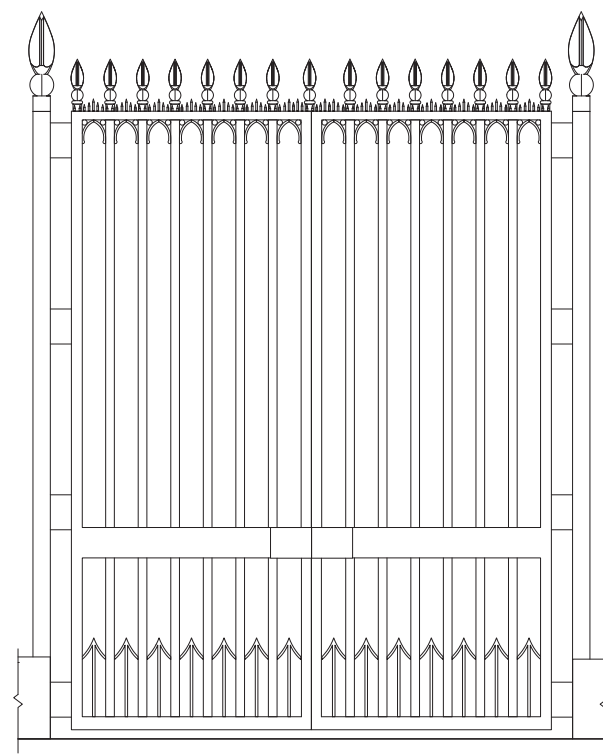
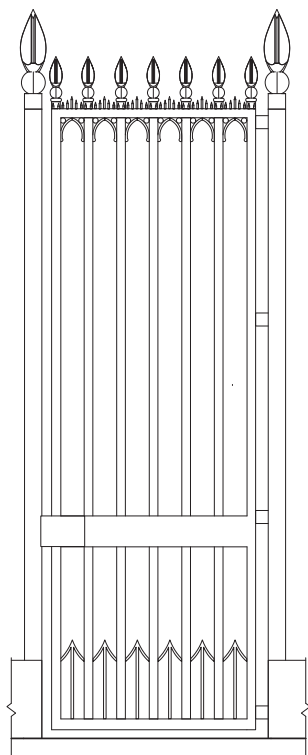


Vehicle Gate Concept: 13'high x 16' wide  
East & West Executive

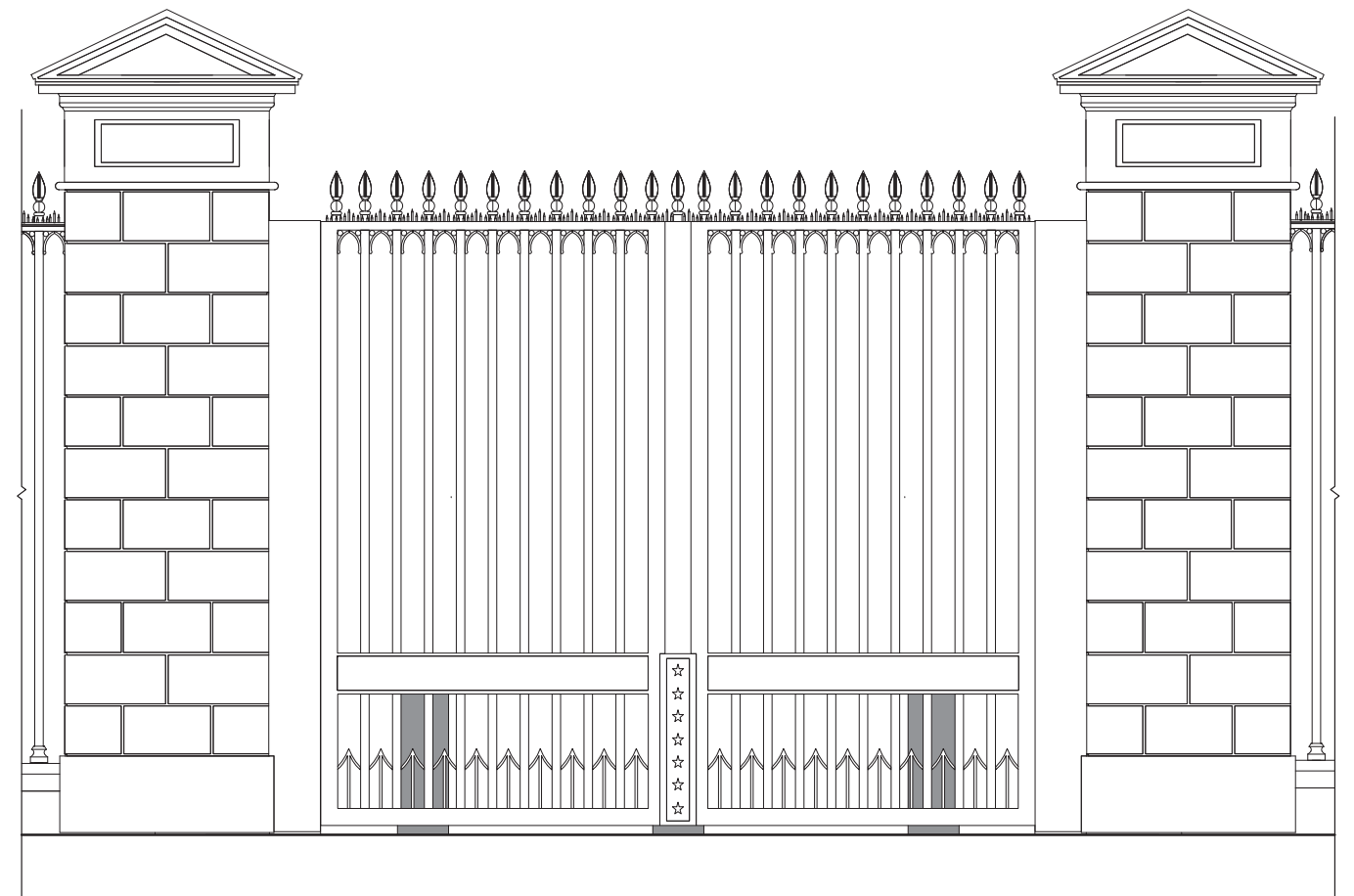


White House Complex Fence Phase 1  
February 2, 2016

Option 1- Crash Rated Gate  
East & West Executive



Pedestrian Gates Concept  
East & West Executive



Vehicle Gate Concept: 13' high x 16' wide  
East & West Executive







*Existing Conditions*



White House Complex Fence Phase 1  
November 17, 2016

Existing Fence from Pennsylvania Ave





*Proposed Fence*



White House Complex Fence Phase 1  
November 17, 2016

Proposed Fence from Pennsylvania Ave





*East Gates*



White House Complex Fence Phase 1  
February 2, 2016

# Proposed Fence & Gates from Pennsylvania Ave





*East Gates*



White House Complex Fence Phase 1  
February 2, 2016

# Proposed Fence & Gates from Pennsylvania Ave





North side along Pennsylvania Avenue  
*Existing Conditions*



North side along Pennsylvania Avenue  
*Proposed Fence*



White House Complex Fence Phase 1  
November 17, 2016

Proposed Fence at  
Pennsylvania Avenue



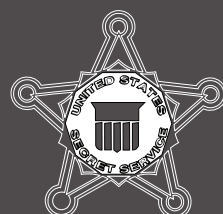


*Proposed Fence*





*Proposed Fence*



White House Complex Fence Phase 1  
November 17, 2016

# Proposed Fence from Pennsylvania Ave





*Existing Conditions*



White House Complex Fence Phase 1  
November 17, 2016

Existing Fence at South Lawn  
From E Street





*Proposed Fence*



White House Complex Fence Phase 1  
November 17, 2016

Proposed Fence at South Lawn  
From E Street





*Proposed Fence*



White House Complex Fence Phase 1  
November 17, 2016

Proposed Fence at South Lawn  
From Ellipse



